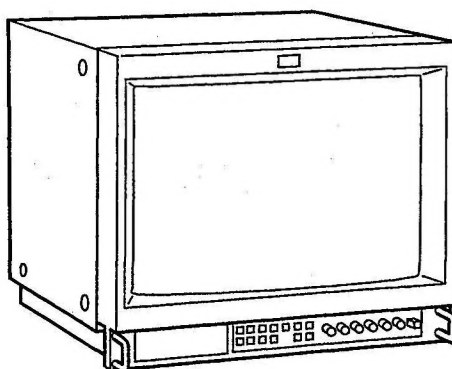


SERVICE MANUAL

| <i>MODEL</i> | <i>DEST.</i> | <i>CHASSIS NO.</i> | <i>MODEL</i> | <i>DEST.</i> | <i>CHASSIS NO.</i> |
|-----------------------|-----------------------|-----------------------------|-----------------------|-----------------------|-----------------------------|
| <i>PVM-14M2MDU</i> | <i>US</i> | <i>SCC-N59B-A</i> | <i>PVM-20M2MDU</i> | <i>US</i> | <i>SCC-N59A-A</i> |
| <i>PVM-14M2MDE</i> | <i>Canadian</i> | | <i>PVM-20M2MDE</i> | <i>Canadian</i> | |
| | <i>AEP</i> | <i>SCC-N33F-A</i> | | <i>AEP</i> | <i>SCC-N33E-A</i> |
| <i>PVM-14M2MDA</i> | <i>Australian</i> | <i>SCC-N17E-A</i> | <i>PVM-20M2MDA</i> | <i>Australian</i> | <i>SCC-N17D-A</i> |



TRINITRON® COLOR VIDEO MONITOR

SONY®

SPECIFICATIONS

Video signal

**For PVM-14M2MDU/14M2MDE/14M2MDA/
20M2MDU/20M2MDE/20M2MDA:**

| | |
|---------------------|------------------------------|
| Color system | NTSC, PAL |
| Resolution | 600 TV lines |
| Aperture correction | 0 dB to +6 dB |
| Frequency response | |
| LINE | 10 MHz \pm 3 dB (Y signal) |
| RGB | 10 MHz \pm 3 dB |
| Synchronization | AFC time constant 1.0 msec. |

Picture performance

For PVM-14M2MDU/14M2MDE/14M2MDA:

| | |
|-------------------------|--|
| Normal scan | 7 % over scan of CRT effective screen area |
| Under scan | 5 % underscan of CRT effective screen area |
| Over scan | 20 % over scan of CRT effective screen area |
| H. linearity | Less than 4.0 % (typical) |
| V. linearity | Less than 4.0 % (typical) |
| Convergence | |
| Central area: | Less than 0.4 mm (typical) |
| Peripheral area: | Less than 0.5 mm (typical) |
| Raster size stability | H: 1.0%, V: 1.5% |
| High voltage regulation | 3.5 % |
| Color temperature | D65/D56/D93, selectable USER (3,200K–10,000K, factory setting is D65) |

For PVM-20M2MDU/20M2MDE/20M2MDA

| | |
|-------------------------|--|
| Normal scan | 7 % over scan of CRT effective screen area |
| Under scan | 5 % underscan of CRT effective screen area |
| Over scan | 20 % over scan of CRT effective screen area |
| H. linearity | Less than 5.0 % (typical) |
| V. linearity | Less than 5.0 % (typical) |
| Convergence | |
| Central area: | Less than 0.6 mm (typical) |
| Peripheral area: | Less than 1.0 mm (typical) |
| Raster size stability | H: 1.0%, V: 1.5% |
| High voltage regulation | 4.0 % |
| Color temperature | D65/D56/D93, selectable USER (3,200K–10,000K, factory setting is D65) |

Inputs (common to all models)

LINE A

| | |
|----------|--|
| VIDEO IN | BNC connector, 1Vp-p \pm 6 dB, sync negative |
| AUDIO IN | Phono jack (\times 1), -5 dBu ^a , more than 47 kilo-ohms |

LINE B

| | |
|----------|---|
| Y/C IN | 4-pin mini-DIN (\times 1) <i>See the pin assignment on page 37.</i> |
| AUDIO IN | Phono jack (\times 1), -5 dBu ^a , more than 47 kilo-ohms |

RGB/COMPONENT A/B

| | |
|---------------------|---|
| R/R-Y,G/Y,B/B-Y IN: | BNC connector (\times 3) |
| R, G, B channels: | 0.7 Vp-p, \pm 6 dB |
| Sync on green: | 0.3 Vp-p, negative |
| R-Y, B-Y channels: | 0.7 Vp-p, \pm 6 dB |
| Y channel: | 0.7 Vp-p, \pm 6 dB (Standard color bar signal of 75% chrominance) |
| AUDIO IN | Phono jack (\times 1), -5 dBu ^a , more than 47 kilo-ohms |
| EXT SYNC IN | BNC connector (\times 1) 4 Vp-p, \pm 6 dB, sync negative |
| REMOTE | D SUB 9 PIN (\times 1), 8 PIN MIN DIN (\times 1) <i>See the pin assignment on page 37.</i> |

a) 0 dBu = 0.775 Vr.m.s.

Outputs (common to all models)

LINE A

| | |
|-----------|---|
| VIDEO OUT | BNC connector (\times 1) loop-through, Automatic 75 ohms termination |
| AUDIO OUT | Phono jack loop-through |

LINE B

| | |
|-----------|--|
| Y/C OUT | 4-pin mini-DIN (\times 1) loop-through, Automatic 75 ohms termination |
| AUDIO OUT | Phono jack (\times 1) loop-through |

RGB/COMPONENT A

| | |
|-------------------------------|--|
| R/R-Y,G/Y,B/B-Y OUT: | BNC connector (\times 3) loop-through |
| Automatic 75 ohms termination | |
| AUDIO OUT | Phono jack (\times 1) loop-through |
| EXT SYNC OUT | BNC connector (\times 1) Automatic 75 ohms termination |
| DC OUT | 8 V/0.8A |
| Speaker output | Output level: 0.8 W |

General (common to all models)

Classification of equipment

- Evaluated to EN60601-1, EN60601-1-2, UL2601-1, CSA601.1
- Type of protection against electric shock
Class I equipment
- Degree of protection against harmful ingress of water
Ordinary equipment
- Degree of safety of application in the presence of a flammable anaesthetic mixture
Not protected equipment
- Mode of operation
Continuous operation
- Information concerning type and frequency of technical maintenance
Not need maintenance equipment
- Main power switch
Functional switch

CRT P-22 phosphor

Operating conditions

0 to +40°C (32 to 104°F) Temperature
700 to 1,060 hPa Pressure
30 to 85% (no condensation) Humidity

Transport and Storage conditions

-10 to +40°C (14 to 104°F) Temperature
700 to 1,060 hPa Pressure
0 to 90% Humidity

Accessories supplied

AC power cord (1)
AC plug holder (1)
Side Cover (2)
Control panel cover (1)
Panel hinge (2)
Remote control connector 8-pin mini
DIN (1)
Interface Manual for Programmers
(1)
Instructions for Use (1)

For PVM-14M2MDU:

Power requirements 1.2 ~ 0.5A
100 to 240 V AC, 50/60Hz ¹⁾
Dimensions (w/h/d) Approx. 346 × 340 × 431 mm
(13⁵/₈ × 13¹/₂ × 17 inches)
not incl. projecting parts and controls
Mass Approx. 16.7kg (36 lb 13 oz)

For PVM-14M2MDE/14M2MDA:

Power requirements 1.2 ~ 0.5A
100 to 240 V AC, 50/60Hz¹⁾
Dimensions (w/h/d) Approx. 346 × 340 × 431 mm
(13⁵/₈ × 13¹/₂ × 17 inches)
not incl. projecting parts and controls
Mass Approx. 16.7kg (36 lb 13 oz)

For PVM-20M2MDU:

Power requirements 1.5 ~ 0.6A
100 to 240 V AC, 50/60Hz ¹⁾
Dimensions (w/h/d) Approx. 450 × 458 × 503 mm
(17³/₄ × 18¹/₈ × 19⁷/₈ inches)
not incl. projecting parts and controls
Mass Approx. 30.0 kg (66 lb 2 oz)

For PVM-20M2MDE/20M2MDA:

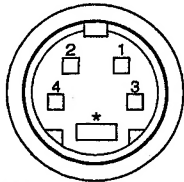
Power requirements 1.5 ~ 0.6A
100 to 240 V AC, 50/60Hz ¹⁾
Dimensions (w/h/d) Approx. 450 × 458 × 503 mm
(17³/₄ × 18¹/₈ × 19⁷/₈ inches)
not incl. projecting parts and controls
Mass Approx. 30.0 kg (66 lb 2 oz)

Design and specifications are subject to change
without notice.

1) Use a proper power cord for your local power supply. (See page 22.)

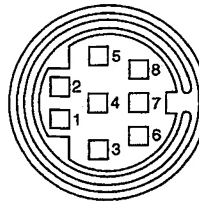
Pin assignment

Y/C IN connector (4-pin mini-DIN)



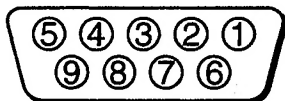
| Pin No. | Signal | Description |
|---------|-------------------------|--|
| 1 | Y-input | 1 Vp-p, sync negative, 75 ohms |
| 2 | CHROMA subcarrier-input | 300m Vp-p (PAL)/286m Vp-p (NTSC), burst Delay time between Y and C: within 0 ± 100 nsec., 75 ohms |
| 3 | GND for Y-input | GND |
| 4 | GND for CHROMA-input | GND |

REMOTE 1 (8-pin mini DIN)



| Pin No. | Signal |
|---------|---------------|
| 1 | REMOTE ON/OFF |
| 2 | LINE A |
| 3 | GND |
| 4 | LINE B |
| 5 | TALLY |
| 6 | OVER SCAN |
| 7 | RGB A |
| 8 | RGB B |

RS-232C (D-sub 9-pin)



| Pin No. | Signal |
|---------|--------|
| 1 | — |
| 2 | RX |
| 3 | TX |
| 4 | — |
| 5 | GND |
| 6 | — |
| 7 | RTS |
| 8 | CTS |
| 9 | — |

SAFETY CHECK-OUT (US Model only)

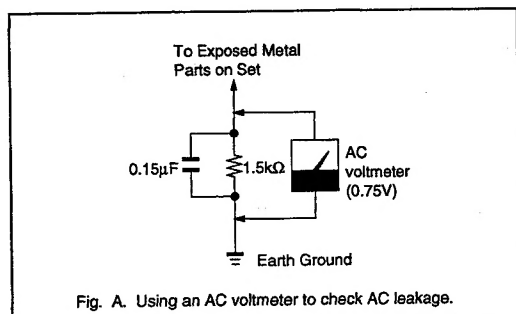
After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

Check metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA. Leakage current can be measured by any one of three methods.

1. A commercial leakage tester; such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)



(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PRINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DE TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE Δ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÉCES CONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

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SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

English

WARNING

Owner's Record

The model and serial numbers are located at the rear. Record these numbers in the spaces provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. _____
Serial No. _____

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Dangerously high voltages are present inside the unit. Do not open the cabinet. Refer servicing to qualified personnel only.

In the event of a malfunction or when maintenance is necessary, consult an authorized Sony dealer.

This unit contains substances which can pollute the environment if disposed carelessly. Please contact our nearest representative office or your local environmental office in case of disposal of this unit.

Power Switch

The power switch is a functional switch only.
To isolate the set from the mains supply remove the mains plug from the wall socket.

FOR CUSTOMERS IN THE UNITED KINGDOM

WARNING THIS APPARATUS MUST BE EARTHED

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

GREEN-AND-YELLOW — EARTH
BLUE — NEUTRAL
BROWN — LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug PROCEED AS FOLLOWS:

The wire coloured GREEN AND YELLOW must be connected to the terminal on the plug marked with the letter E or by the safety earth symbol \perp or coloured GREEN or GREEN-AND-YELLOW.

The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured RED.

The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLACK.

Ensure that your equipment is connected correctly — If you are in any doubt consult a qualified electrician.

FOR THE CUSTOMERS IN THE USA

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

ATTENTION — When the product is installed in a rack:

a) **Elevated operating ambient temperature**
If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient.
Therefore, consideration should be given to installing the equipment in an environment compatible with the manufacturer's maximum rated ambient temperature of 0 to +40° (Tmba).

b) **Reduced air flow**

Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

c) **Mechanical loading**

Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

d) **Circuit overloading**

Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of circuits might have on overcurrent protection and supply wiring.
Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

e) **Reliable earthing**

Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g., use of power strips).

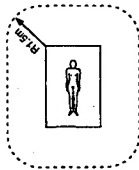
Be sure to connect the AC power cord to a grounded outlet.

Warning

Important safeguards/notes for use in the medical environments

1. All the equipments connected to this unit shall be certified according to Standard IEC601-1, IEC950, IEC65 or other IEC/ISO Standards applicable to the equipments.
2. When this unit is used together with other equipment in the patient area*, the equipment shall be either powered by an isolation transformer or connected via an additional protective earth terminal to system ground unless it is certified according to Standard IEC601-1 and IEC601-1-1.

* Patient Area



Symbols on the unit

| Symbol | Location | The symbol indicates |
|--------|-------------|--|
| | Front panel | Main power switch. Press to turn the monitor on or off. |
| | Rear panel | The equipotential terminal which brings the various parts of a system to the same potential. |
| | Rear panel | Functional earth terminal |
| | Rear panel | Alternating current |
| | Rear panel | Attention, consult ACCOMPANYING DOCUMENTS |

3. The leakage current could increase when connected to other equipment.

4. The operator should take precautions to avoid touching the rear panel input and output circuitry and the patient at the same time.

5. Model PVM-14M2MDU/14M2MDE/14M2MDA/
20M2MDU/20M2MDE/20M2MDA is a video monitor intended for use in a medical environment to display video pictures from cameras or other video system.

Warning on power connection

Use a proper power cord for your local power supply.

| Plug type | United States | Canada | Continental Europe | Japan |
|-------------------------|--------------------------|---------------------------|--------------------|------------------|
| Ferrule end | HOSPITAL GRADE E41395 | HOSPITAL GRADE LL33182 | LP-34A LS-60 | VM1050 VM1010 |
| Cord type | E41395-A | LL76662 | H05VV-F | PVC1F |
| Minimum cord set rating | 10A/125V | 10A/125V | 10A/250V | 12A/125V |
| Safety approval | UL | CSA | VDE | DENTORI |

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Precautions

On safety

- Operate the unit on 100 - 240 V AC only.
- The nameplate indicating operating voltage, power consumption, etc. is located on the rear.
- Should any solid object or liquid fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for several days or more.
- To disconnect the AC power cord, pull it out by grasping the plug. Never pull the cord itself.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.

On installation

- Allow adequate air circulation to prevent internal heat build-up.
- Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.

On cleaning

To keep the unit looking brand-new, periodically clean it with a mild detergent solution. Never use strong solvents such as thinner or benzene, or abrasive cleansers since they will damage the cabinet. As a safety precaution, unplug the unit before cleaning it.

On repacking

Do not throw away the carton and packing materials. They make an ideal container which to transport the unit.

If you have any questions about this unit, contact your authorized Sony dealer.

Features

Picture

Trinitron® picture tube

Trinitron tube provides a high resolution picture. Horizontal resolution is more than 600 TV lines at the center of the picture.

Comb filter

When NTSC video signals are received, a comb filter activates to increase the resolution, resulting in fine picture detail without color spill or color noise.

Beam current feedback circuit

The built-in beam current feedback circuit assures stable white balance.

Inputs

Two color systems available

The monitor can display PAL, and NTSC signals. The appropriate color system is selected automatically.

Analog RGB/component input connectors

Analog RGB or component (Y, R-Y and B-Y) signals from video equipment can be input through these connectors. Press the RGB/COMPONENT A/B select button on the front panel and select RGB or component signals from the on-screen menu.

Y/C input connector (S input connector)

The video signal, split into the chrominance signal (C) and the luminance signal (Y), can be input through this connector, eliminating the interference between the two signals, which tends to occur in a composite video signal, assuring video quality.

External sync input connectors

When the external RGB or component signal is input and sync signal is set to external in the on-screen menu, the monitor can be operated on the sync signal supplied from an external sync generator.

Automatic termination

(only terminals with the ∇ mark)

The BNC input connectors on the rear panel are terminated at 75 ohms inside, when no cable is connected to the loop-through output connectors. When a cable is connected to an output connector, the 75-ohm termination is automatically released.

Functions

On-screen menus

You can set color temperature, CHROMA SET UP, and other settings by using the on-screen menus.

Overscan mode

The display size is enlarged by approximately 20% and the center part of the screen is easier to watch.

Underscan mode

The signal normally scanned outside of the screen can be monitored in the underscan mode.

Note

When the monitor is in the underscan mode, the dark RGB scanning lines may appear on the top edge of the screen. These are caused by an internal test signal, rather than the input signal.

Split function

The display splits into two parts (upper and lower). The upper part of the screen monitors the signal fed through the RGB/COMPONENT A input connectors and lower part of the screen monitors the signal fed through the RGB/COMPONENT B input connectors. You can compare the two screens.

Auto/manual degaussing

Degaussing of the screen can be performed automatically when the power is turned on, or manually by pressing the DEGAUSS button.

Five menu languages

You can select the language used for on-screen menus from the five languages.

Side cover(s) and control panel cover

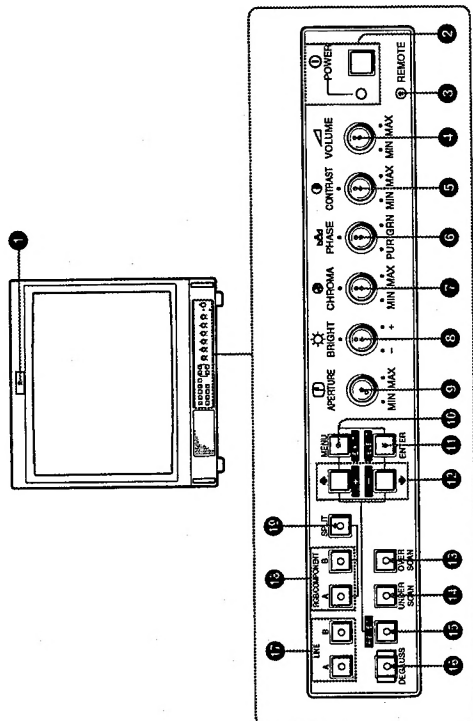
The side covers that protect the ventilation holes from splashes (of medicines, etc.) as much as possible and a control panel cover that protects the control buttons on the front panel from undesired touching are supplied.

EIA standard 19-inch rack mounting

By using an MB-502B (for PVM-14M2MDU/14M2MDE/14M2MDA) or SLR-103A (for PVM-20M2MDU/20M2MDE/20M2MDA) Mounting Bracket (not supplied), the monitor can be mounted in an EIA standard 19-inch rack. For details on mounting, see the instruction manual of the mounting bracket kit.

Location and Function of Parts and Controls

Front Panel



- ➊ **Tally indicator**
This indicator lights up. The tally control connection is needed.
For the pin assignment, see "Specifications" on page 37.
 - ➋ **POWER switch and Indicator**
Depress to turn the monitor on. The indicator will light up in green. To turn the power off, press this again.
 - ➌ **REMOTE indicator**
This indicator lights up in the conditions below:
— When PRESET is set to ON in the menu.
— When REMOTE (RS-232C) is set to REMOTE ONLY or REMOTE & LOCAL in the menu, or
— When REMOTE ON is set via the REMOTE 1 terminal.
 - ➍ **VOLUME control**
Turn this control clockwise or counterclockwise to obtain the desired volume.
 - ➎ **CONTRAST control**
Turn clockwise to make the contrast stronger and counterclockwise to make it weaker.
 - ➏ **PHASE control**
This control is effective only for the NTSC color system. Turn clockwise to make the skin tones greenish and counterclockwise to make them purplish.
 - ➐ **CHROMA (chrominance) control**
Turn clockwise to make the color intensity stronger and counterclockwise to make it weaker.
 - ➑ **BRIGHT (brightness) control**
Turn clockwise for more brightness and counterclockwise for less.
 - ➒ **APERTURE control**
Turn clockwise for more sharpness and counterclockwise for less.
When the control is set to MIN, the picture becomes flat without need for corrections.
 - Note**
The APERTURE, CHROMA, PHASE control settings have no effect on the pictures of RGB signals. The PHASE control setting has no effect on the pictures of component signals.
 - ➓ **MENU (EXIT) button**
Press to make the menu appear.
Press to return to the previous screen in the menu.
 - ➔ **ENTER (SELECT) button**
Press to decide a selected item in the menu.

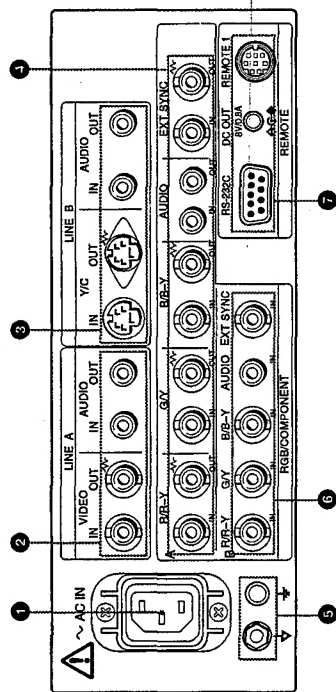
Location and Function of Parts and Controls

- 12 **↑ (+) / ↓ (-) buttons**
Press to move the cursor (►) or adjust selected value in the menus.
- 13 **OVERSCAN button**
Press (light on) for overscanning. The display size is extended by approximately 20% so that the center of screen is easier to watch. By pressing the button again, the display returns to the normal size (light off).
- 14 **UNDERSCAN button**
Press (light on) for underscanning. The display size is reduced by approximately 5% so that four corners of the raster are visible. By pressing the button again, the display returns to the normal size (light off).
- 15 **RESET button**
During menu adjustments, press to reset the setting in the menu.
- 16 **DEGAUSS button**
Press this button momentarily. The screen will be demagnetized.
Wait for 10 minutes or more before activating this button again.
- Note**
The picture rolls vertically while the screen is being demagnetized.
- 17 **LINE A/B select buttons**
Press to select a signal (light on).
A: Press to monitor the signal fed through the LINE A input connectors.
B: Press to monitor the signal fed through the LINE B input connectors.
- 18 **RGB/COMPONENT A/B select buttons**
Press to select a signal (light on).
A: Press to monitor the signal fed through the RGB/COMPONENT A input connectors.
B: Press to monitor the signal fed through the RGB/COMPONENT B input connectors.
- 19 **SPLIT button**
When you select RGB signals fed through the RGB/COMPONENT A and RGB/COMPONENT B input connectors, press this button (light on) to split the display into two parts (upper and lower), and monitor the both RGB signals simultaneously.
- Note**
Make sure the signals fed through the RGB/COMPONENT A and RGB/COMPONENT B input connectors are synchronized.


Location and Function of Parts and Controls

- RGB/COMPONENT A connectors**
RGB signal or component signal input connectors and their loop-through output connectors.
To monitor the input signal fed through these connectors, press the RGB/COMPONENT A select button (light on) on the front panel.
Then select one out of four items in the RGB A SYSTEM menu to set the RGB or COMP (component) signal and the INT SYNC (internal sync) or EXT SYNC (external sync) signal.
For the operation through the menus, see pages 29 to 32.
- R/R-Y IN, G/Y IN, B/B-Y IN (BNC)**
When "RGB-INT SYNC" or "COMP-INT SYNC" is selected in the RGB A SYSTEM menu, the monitor operates on the sync signal from the G/Y channel.
To monitor the RGB signal
Connect to the analog RGB signal output connectors of a video camera.
To monitor the component signal
Connect to the R-Y/B-Y component signal output connectors of a Sony Betacam equipment.
- R/R-Y OUT, G/Y OUT, B/B-Y OUT (BNC)**
Loop-through outputs of the R/R-Y IN, G/Y IN, B/B-Y IN connectors.
When the cables are connected to these connectors, the 75-ohms termination of the inputs is automatically released, and the signal inputs to the R/R-Y IN, G/Y IN, B/B-Y IN connectors are output from these connectors.
To output the analog RGB signal
Connect to the analog RGB signal input connectors of a video printer or another monitor.
To output the component signal
Connect to the R-Y/B-Y component signal input connectors of a Sony Betacam equipment.
- AUDIO IN (phono jack)**
Connect to the audio output connector of video equipment when the analog RGB or component signal is input.
- EXT SYNC (external sync) IN (BNC)**
When this monitor operates on an external sync signal, connect the signal from a sync generator to this connector.
To use the sync signal fed through this connector, select "RGB-EXT SYNC" or "COMP-EXT SYNC" in the RGB B SYSTEM menu.
- REMOTE connectors**
RS-232C (D-sub 9-pin)
Connect to the RS-232C control connector of other equipment. You can operate the monitor with the control command from the equipment.
For the details, see the supplied Interface Manual for Programmers.
- REMOTE 1 (8-pin mini DIN)**
Connect to the tally output connector of a control console, effects etc. The tally indicator on the front panel will be turned on and off by the connected equipment.
You can also connect a remote controller using this connector.
For the pin assignments of these connectors, see "Specifications" on page 37.
- DC OUT 8V/0.8A connector**
You can use this connector as a power source for the other equipment.
DC 8V/0.8A is output.

Hear Panel!



Note

(The  mark indicates automatic termination.)

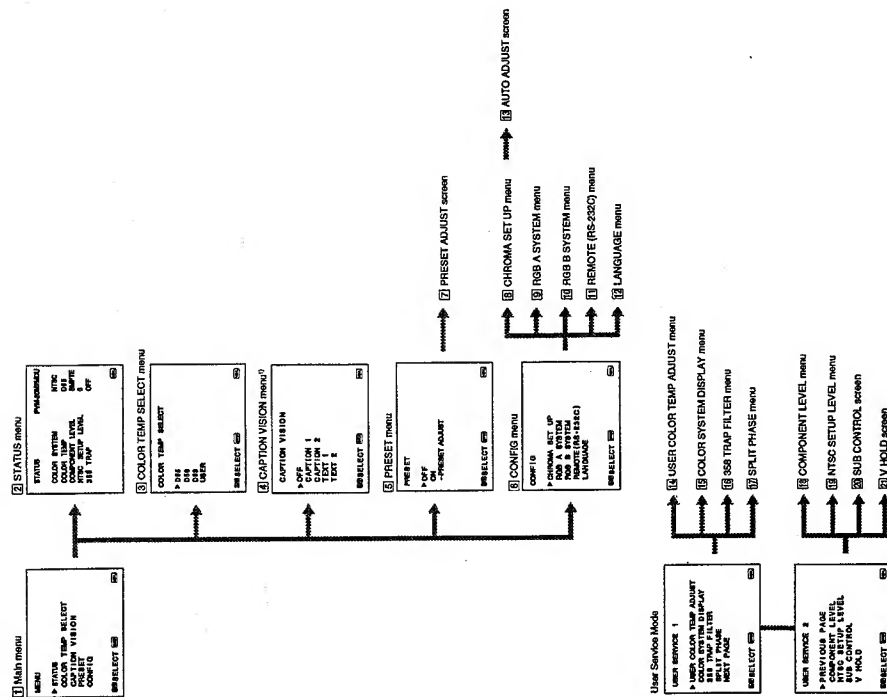
- 1 AC IN socket**
Connect the supplied AC power cord to this socket.
“~” means Alternating Current.
- 2 LINE A connectors**
Line input connectors for the composite video and audio signals and their loop-through output connectors.
To monitor the input signal fed through these connectors, press **LINE A** select button (light on) on the front panel.
- VIDEO IN (BNC)**
Connect to the video output connector of a video equipment, such as a VTR or a color video camera. For a loop-through connection, connect to the video output connector of another monitor.
- VIDEO OUT (BNC)**
Loop-through output of the VIDEO IN connector.
Connect to the video input connector for a VTR or another monitor.
- When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the VIDEO IN connector is output from this connector.
- AUDIO IN (phono jack)**
Connect to the audio output connector of a VTR or to a microphone through a suitable microphone amplifier. For a loop-through connection, connect to the audio output connector of another monitor.
- AUDIO OUT (phono jack)**
Loop-through output of the AUDIO IN connector.
Connect to the audio input connector of a VTR or another monitor.
- LINE B connectors**
Separated Y/C input connectors, audio input connectors, and corresponding loop-through output connectors.
To monitor the input signal fed through these connectors, press **LINE B** select button (light on) on the front panel.
- Y/C IN (4-pin mini DIN)**
Connect to the Y/C separate output connector of a VTR, video camera or other video equipment.
- Y/C OUT (4-pin mini DIN)**
Loop-through output of the Y/C IN connector. Connect to the Y/C separate input connector of a VTR or another monitor.
- When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the Y/C IN connector is output from this connector.
- AUDIO IN (phono jack)**
Connect to the audio output connector of a VTR or to a microphone through a suitable microphone amplifier. For a loop-through connection, connect to the audio output connector of another monitor.
- AUDIO OUT (phono jack)**
Loop-through output of the AUDIO IN connector.
Connect to the audio input connector of a VTR or another monitor.

Using On-Screen Menus

Menu Configuration

The flow chart shows the different levels of on-screen menus that you can use to make various adjustments and settings.

For details of each menu, see pages 30 to 32.



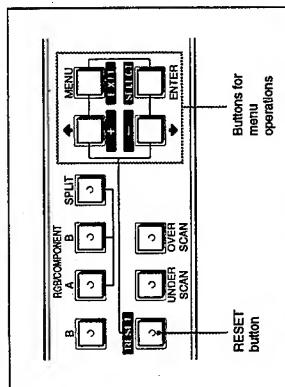
1) CAPTION VISION in the Main menu is designed for an exclusive use with the PVM-20M2MDU and 14M2MDU models.

Using On-Screen Menus

Operating through Menus

There are five buttons for menu operations on the front panel of the monitor. To display the main menu, first press MENU (EXIT). The buttons you can use appear at the bottom of the menu screen.

Functions of the buttons



The Contents of Menu Items

The following sentences show the details of each menu items.

[] indicates the factory setting position.

1 **Main menu**
Select an item and press the ENTER (SELECT) button to go to the following menu.

2 **STATUS menu**
Shows the current settings.

3 **COLOR TEMP SELECT menu**
Select the color temperature from among D65, D50, D93 and USER. USER is set to D65 in the factory setting. You can adjust or change the color temperature in USER mode (a measuring instrument is needed).

Note

The color temperature of the USER mode can be adjusted in the range from 3200K to 10000K. You can adjust the color temperature of the USER mode in the USER COLOR TEMP ADJUST menu ([14]) of the user service mode.
For the details, see *USER COLOR TEMP ADJUST menu* ([14]) on page 31.

4 **CAPTION VISION menu**
This menu is provided only for PVM-20M2MDU/14M2MDU.

The monitor can display the signal with Caption Vision. To display it, select the caption type in this menu.

[OFF]

Using On-Screen Menus

- [17] SPLIT PHASE menu**
When the SPLIT function is activated, if the lower side picture (the signal fed through the RGB/COMPONENT B input connectors) has some discrepancy of location with the upper side picture, adjust the SPLIT PHASE menu.
Each time you press the \uparrow (+) button, the lower side picture moves left. [MIN]

Note
When the adjustment is made in the menu, the skew error will occur on the top of the lower side picture.

- [18] COMPONENT LEVEL menu**
Select the component level from among three modes.
BETA 7.5: for 1000/1000 signal
BETA 0: for 1000/750 signal
For PVM-20M2MDE/20M2MDA/14M2MDE/14M2MDA [N10/SMPT-E]
For PVM-20M2MDU/14M2MDU [BETA 0]
- [19] NTSC SETUP LEVEL menu**
Select the NTSC setup level from two modes. The 7.5 setup level is mainly used in north America. The 0 setup level is mainly used in Japan.
For PVM-20M2MDE/20M2MDA/14M2MDE/14M2MDA [0]
For PVM-20M2MDU/14M2MDU [7.5]

- [20] SUB CONTROL screen**
You can finely adjust the controls on the front panel. CONTRAST, PHASE, CHROMA and BRIGHT controls have clicks at the center of their adjustment range. You can adjust the setting of the click position with this feature.

- [21] V HOLD screen**
Adjust the vertical hold if the picture rolls vertically.

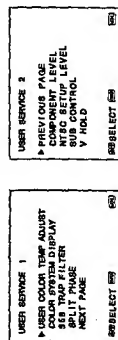
Note
If the rolling of the picture prevents you from watching the screen, select an input that has nothing connected.

- [13] AUTO ADJUST screen**
Select the color bar signal (full, SMPTE, EIA) and press the ENTER (SELECT) button to start automatic adjustment for CHROMA and PHASE. For these adjustments to be valid, you must select ON in CHROMA SET UP menu ([8]).

User Service Mode

The user service mode is useful when adjusting the settings and controls except for the above.
To enter the user service mode, press and hold the MENU (EXIT) button until the following USER SERVICE 1 appears.

To move to the second page of the mode, select "NEXT PAGE", and to return to the first page, select "PREVIOUS PAGE".



- [14] USER COLOR TEMP ADJUST menu**
The value of adjustment in this menu works only when "USER" is selected in the COLOR TEMP SELECT menu ([3]).

ADJUST GAIN:
Adjusts the color balance (gain) of the USER mode.
ADJUST BIAS:
Adjusts the color balance (bias) of the USER mode.
COLOR TEMP RANGE:
When you adjust the color temperature in the USER mode, select a color temperature range before adjusting ADJUST GAIN and ADJUST BIAS. If the adjusted color temperature is between 3200K and 5000K, select "3200K-5000K". If the adjusted color temperature is between 5000K and 10000K, select "5000K-10000K".

USER COPY:
Selects the color temperature of the USER mode from among D65, D56 and D93.

- [15] COLOR SYSTEM DISPLAY menu**
Select the color system display mode. In AUTO, the kind of color system being used appears on the screen each time you change the signal input. [AUTO]

[16] 358 TRAP FILTER menu
Color spill or color noise may be eliminated if you select ON (NTSC signal only). Normally set it to OFF. [OFF]

- [5] PRESET menu**
You can preset each control to a desired level and set it. If you set PRESET to ON, the REMOTE indicator lights up and the controls on the front panel do not work. The monitor operates with the internal memory settings. For adjustment, select the PRESET ADJUST screen. [OFF]

- [6] CONFIG menu**
Select an item for adjustment of the monitor. [OFF]

- [7] PRESET ADJUST screen**
Adjust CONTRAST, BRIGHT, CHROMA, PHASE, VOLUME, APERTURE in the PRESET menu.

- [8] CHROMA SET UP menu**
Set to ON to adjust the internal decoder for CHROMA and PHASE (NTSC signal only) after AUTO ADJUST screen ([13]). [OFF]

- [9] RGB A SYSTEM menu**
To monitor the signal fed through the RGB/COMPONENT A connectors, set the RGB or COMP (component) signal and the INT SYNC (internal sync) or EXT SYNC (external sync) signal in this menu. [RGB-EXT SYNC]

- [10] RGB B SYSTEM menu**
To monitor the signal fed through the RGB/COMPONENT B connectors, set the RGB or COMP (component) signal and the INT SYNC (internal sync) or EXT SYNC (external sync) signal in this menu. [RGB-EXT SYNC]

- [11] REMOTE (RS-232C) menu**
Select one out of following three modes.
REMOTE OFF:
You can adjust settings and controls by the buttons and controls on the front panel.
The RS-232C connector does not function.
REMOTE ONLY:
You can adjust settings and controls through the RS-232C connector.
Buttons and controls on the front panel, except the menu operation ones, do not function.

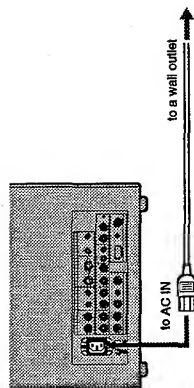
REMOTE & LOCAL:
You can adjust settings and controls both through the RS-232C connector and the front panel buttons. Controls on the front panel do not function. [REMOTE OFF]

- [12] LANGUAGE menu**
You can select the language used for on-screen menus from the following five languages (English, German, French, Italian, Spanish). [ENGLISH]

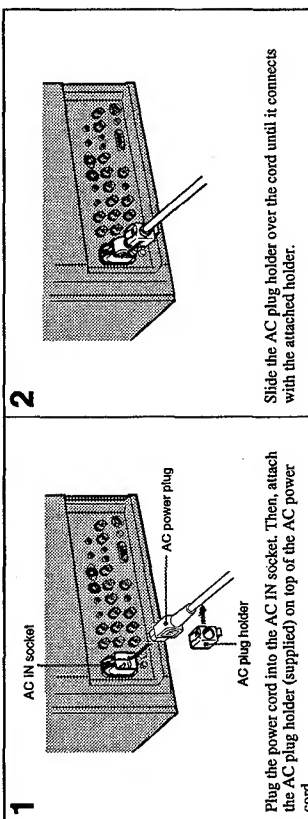
Power Sources

House Current

Connect the supplied AC power cord to the AC IN socket on the rear panel and to a wall outlet.



To connect an AC power cord securely with the AC plug holder

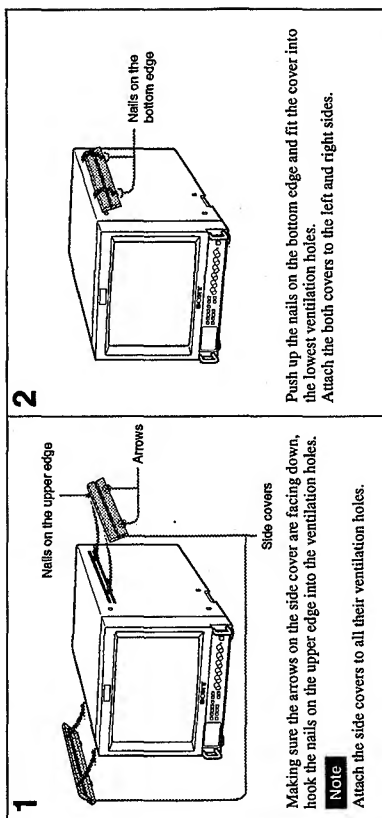


To remove the AC power cord

Pull out AC plug holder by squeezing the up and down sides.

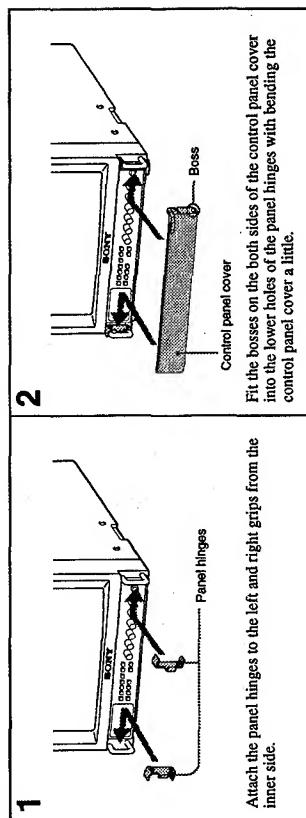
Attaching the Side Covers

In order to protect the ventilation holes from medicines, etc., attach the side covers (supplied) as shown below.



Attaching the Control Panel Cover

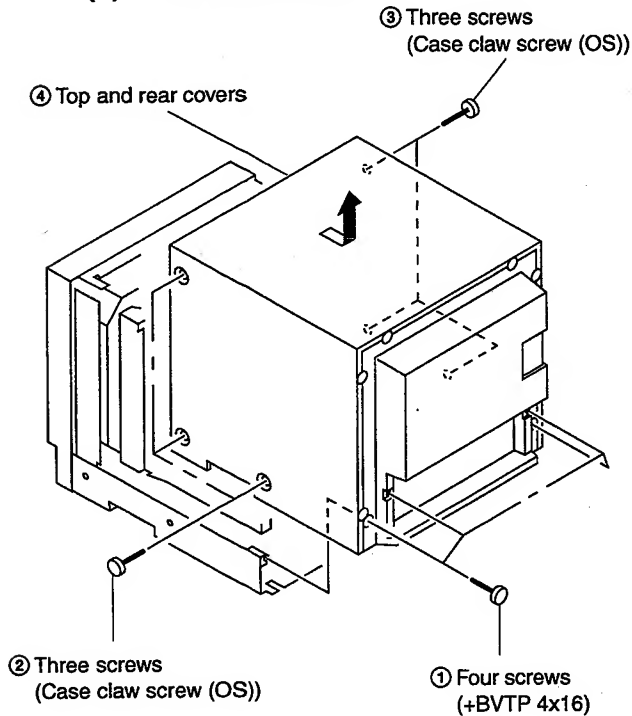
In order to protect the control buttons on the front panel from undesired touching, attach the supplied control panel cover.



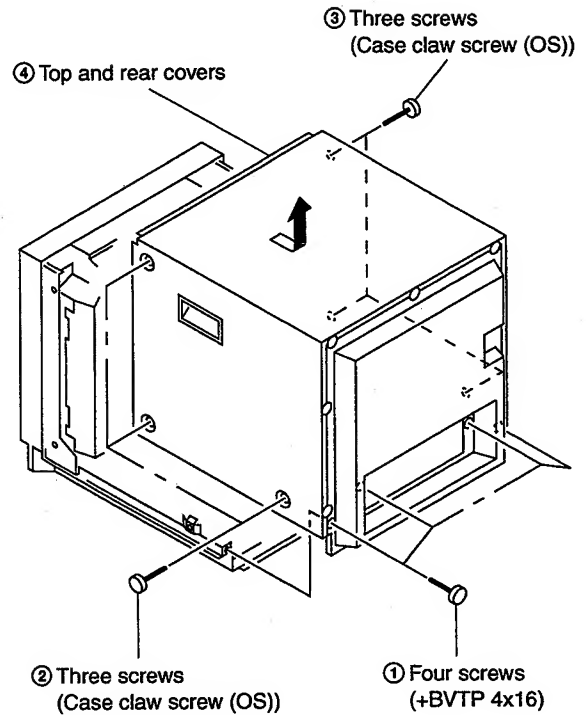
SECTION 2 DISASSEMBLY

2-1. TOP AND REAR COVERS REMOVAL

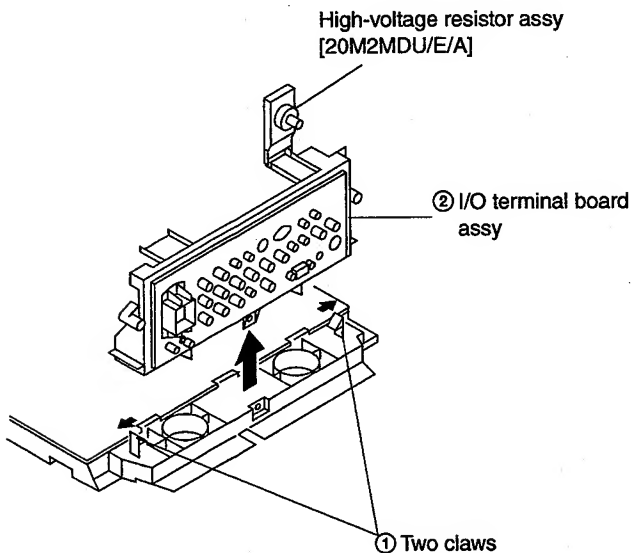
(1) 14M2MDU/E/A



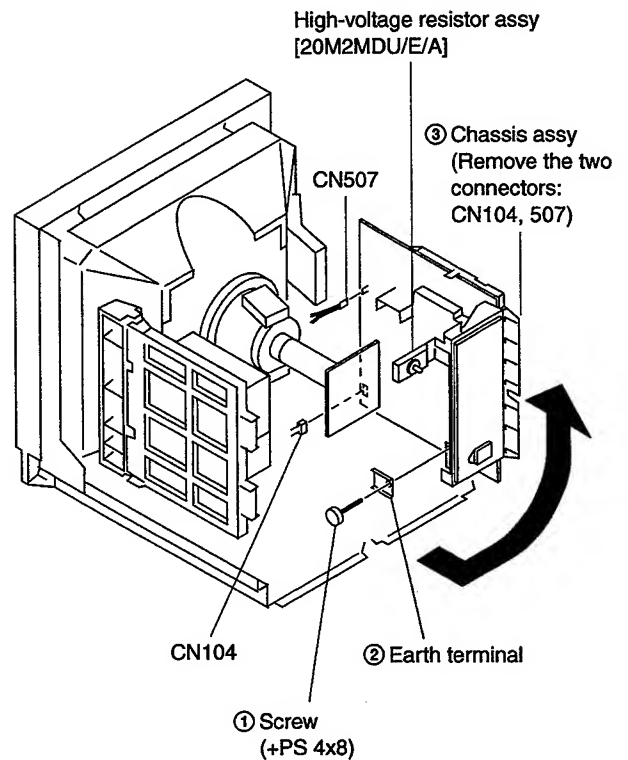
(2) 20M2MDU/E/A



2-2. I/O TERMINAL BOARD ASSY REMOVAL

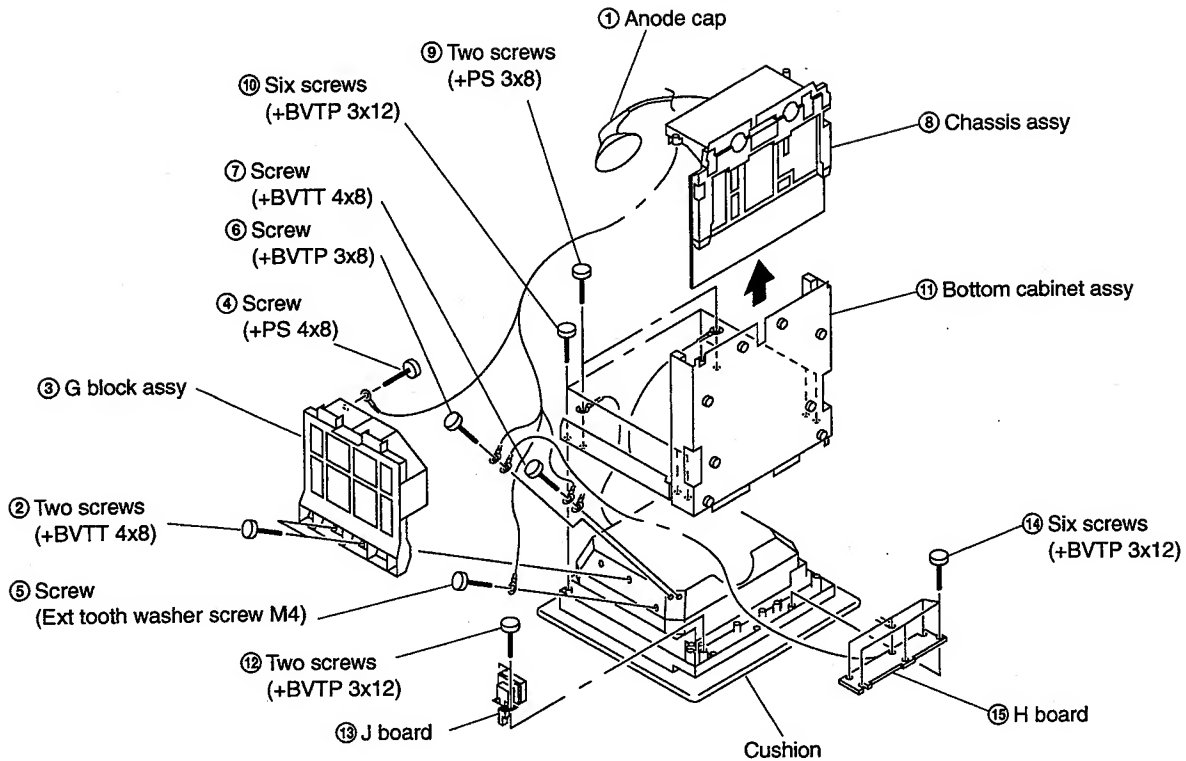


2-3. SERVICE POSITION

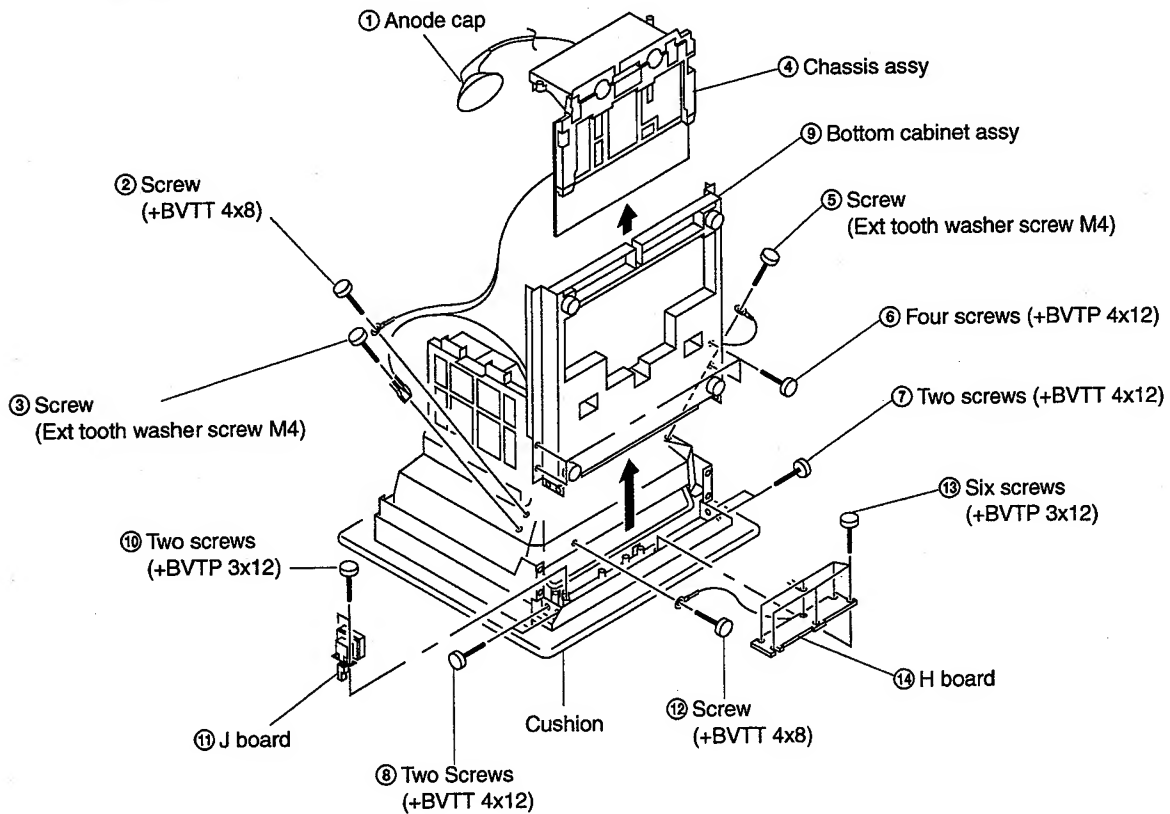


2-4. H AND J BOARDS REMOVAL

(1) 14M2MDU/E/A

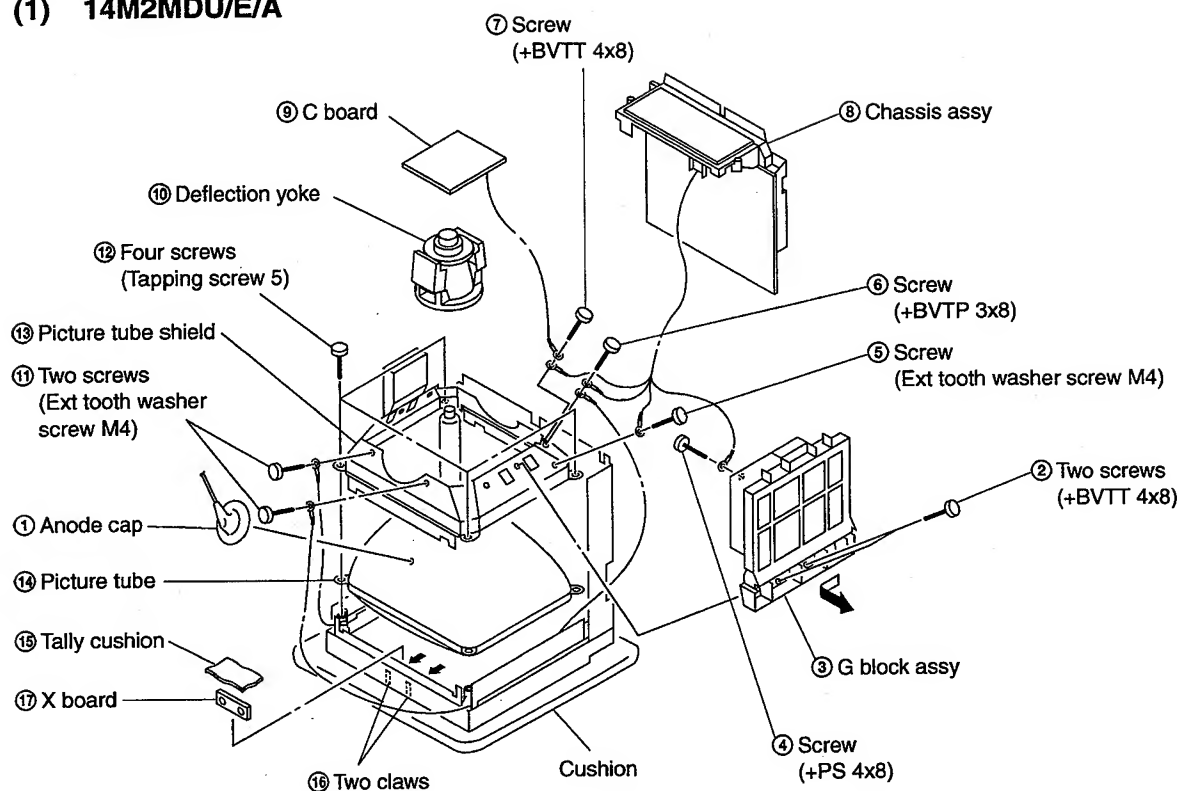


(2) 20M2MDU/E/A



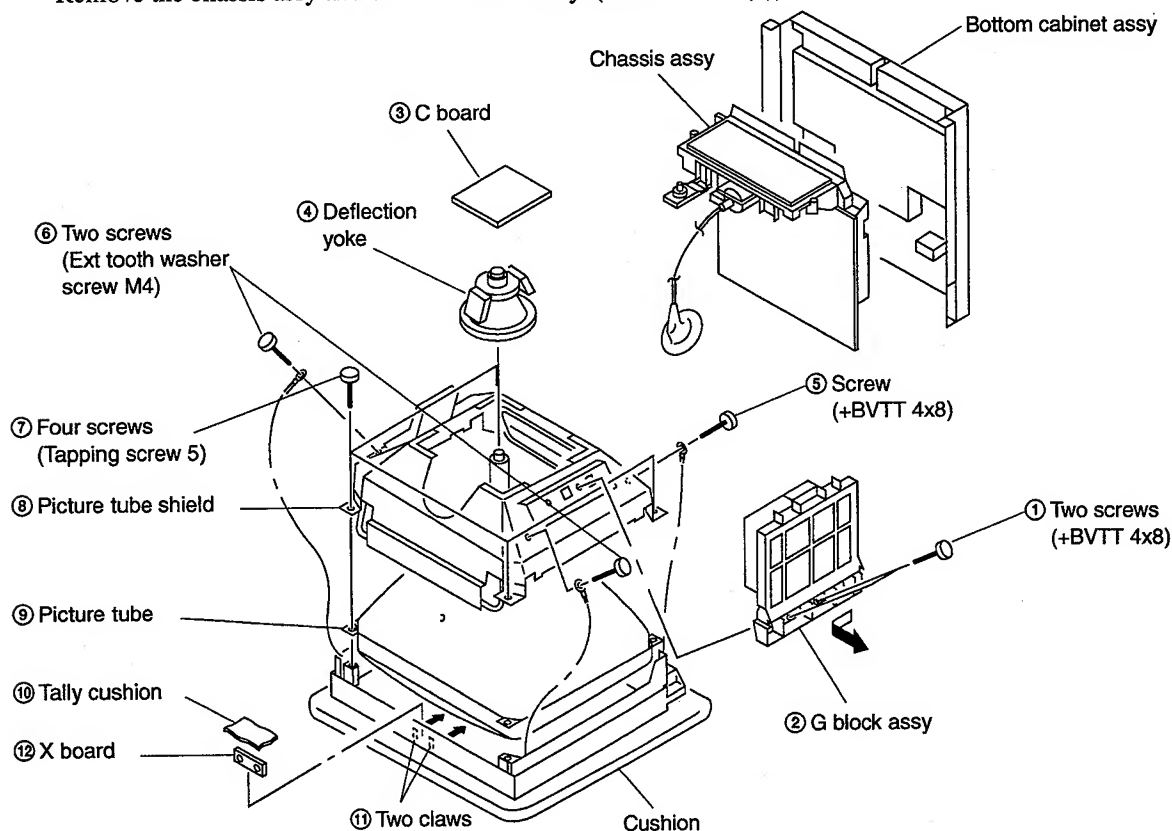
2-5. PICTURE TUBE AND X BOARD REMOVAL

(1) 14M2MDU/E/A



(2) 20M2MDU/E/A

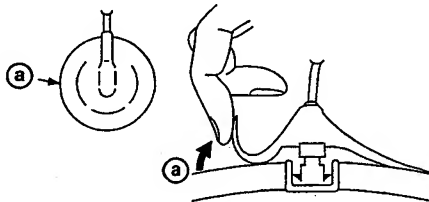
•Remove the chassis assy and bottom cabinet assy. (Refer to 2-4. (2))



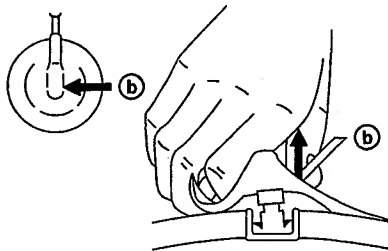
• REMOVAL OF ANODE-CAP

NOTE : Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

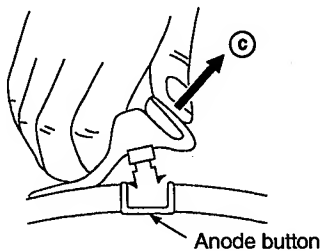
• REMOVING PROCEDURES



- ① Turn up one side of the rubber cap in the direction indicated by the arrow ①.



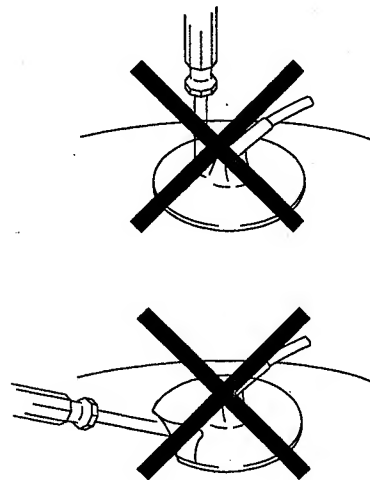
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②.



- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ③.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
A material fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly!
The shatter-hook terminal will stick out or hurt the rubber.



SECTION 3

SET-UP ADJUSTMENTS

3-1. PREPARATIONS (1)

SERVICE MODE

This set is provided with a switch for service on the front panel that can be used to make various adjustments. The operation method of this switch is explained in detail below.

1. Entering the service mode I

① Service mode I

While the menu is displayed, press the [ENTER] and [DEGAUSS] keys simultaneously.

② Service mode II

While the service mode I is displayed, press the [U/S] and [ENTER] keys simultaneously.

2. Service mode display

Range of Service Mode Display

| | | | | |
|-----|-----|-----|-----|-----|
| (1) | (5) | (4) | (3) | (6) |
| (2) | | | | |

- (1) The service items are largely classified into 16 types displayed by titles.
 - (2) The names of the service items or READ/WRITE guidance, etc., are displayed. The names are displayed to the left and the guidance to the right.
 - (3) This is the serial number for each of the service items. 1-107.
 - (4) This is the adjustment data for the service items that are now stored in the RAM. Adjustments can be made by changing these values, but as long as nothing is written to the ROM the adjustment values will be erased by turning off the power or by reading, so please be careful.
 - (5) When the adjustment data that is now displayed is identical with the data in the ROM, the cursor (►) is displayed.
 - (6) The present status is displayed.
[*]: Writing to the ROM. Make sure not to turn off the power while this display is on.
[?]: ROM reading error. In this case, an image is output with the standard adjustment data that the microcomputer itself possesses.
[⌋]: Problem in the I²C bus.
- ##### 3. Ending the service mode
- In the case of the service mode I, press the [ENTER] and [DEGAUSS] keys simultaneously while the service mode is displayed.
- In the case of the service mode II, press the [U/S] and [ENTER] keys simultaneously.

4. Easy ON/OFF of the service mode

If once entering the service mode after having turned on the power, easy ON/OFF is possible by once more pressing the A, B or C switch on the front panel (the LED lights) as long as the power is not turned off or as long as the service mode is not finished.

(No function in service mode II)

5. Change of position of the service mode display

If the switch is continuously pressed when turning on in the above easy mode, the display position moves in the V direction. This method is used when the display is outside of the effective screen area.

6. Change of service items

The items are returned with the [MENU] key and forwarded with the [ENTER] key. When a key is continuously pressed, the operation will be repeated.

7. Change of service data

The service data is made larger with the [↑] key and smaller with the [↓] key. When continuously pressing the keys, the operation will be repeated.

8. Reading of service data

When reading data from the ROM to the RAM, press the [RESET] key once and check that the READ display is shown in the guidance, and then press the [RESET] key once again. The adjustment data that is written will return to its previous state, so please be careful.

9. Writing of service data

When writing data from the RAM to the ROM, press the [DEGAUSS] key once and check that the WRITE display shown in the guidance, and then press the [DEGAUSS] key once again. Not only the displayed data will be written, but all data, so please be careful.

10. Carrying out FACTORY RESETTING

In case the adjustment data has been destroyed for some reason, and you keep pressing the [B/O] key at the beginning of the above reading, the READ guidance will change to FACTORY RESET guidance in approximately 3 seconds so that the factory resetting can be carried out. By once again pressing the [RESET] key after this, resetting will be carried out ([*] will be displayed as status) and factory resetting will be executed. However, in case the data available at the time of shipment from the factory has been destroyed, or if the ROM has been replaced, etc., or if factory setting mentioned later on has been carried out, factory resetting is executed.

11. Carrying out FACTORY SETTING

Make sure to make possible the above factory resetting by making a copy of the adjustment data when replacing the ROM. If you keep pressing the [DEGAUSS] key at the beginning of the above writing, the WRITE guidance will change into FACTORY RESET guidance after approximately 3 seconds. By once again pressing the [DEGAUSS] key after this, setting will be carried out ([*] will be displayed as status) and the data will be copied. By carrying out this operation, the selection items of the menu and the adjustment values will be reset to the standard conditions, so please be careful. If this operation is carried out once, it cannot be carried out again, but the FACTORY SET FLAG (No. 107) in the service mode can be set to 1.

1. SERVICE MAP I

※ Signify (The setting is vary with the destination.)
Refer to the "Table 3-1-2 SERVICE MAP I (2)."

Table 3-1-1 SERVICE MAP I (1)

| No. | SERVICE ITEM | MAX | STD | No. | SERVICE ITEM | MAX | STD |
|-----|--------------|------------------------|----------|-----|--------------|----------------------|----------|
| 1 | NOR 50 DEF | H FREQUENCY | 255 85 | 55 | C/T2 D?? | GAIN <GREEN> | 1023 700 |
| 2 | | VIDEO PHASE | 255 140 | 56 | | GAIN <BLUE> | 1023 500 |
| 3 | | V SIZE | 255 170 | 57 | C/T3 D?? | 3200K SW | 1 0 |
| 4 | NOR 60 DEF | H FREQUENCY | 255 96 | 58 | | BIAS <RED> | 1023 500 |
| 5 | | VIDEO PHASE | 255 128 | 59 | | BIAS <GREEN> | 1023 300 |
| 6 | | V SIZE | 255 170 | 60 | | BIAS <BLUE> | 1023 400 |
| 7 | NOR DEF | V CENTER | 255 128 | 61 | | GAIN <RED> | 1023 700 |
| 8 | | H SIZE | 255 100 | 62 | | GAIN <GREEN> | 1023 700 |
| 9 | | PIN PHASE | 255 128 | 63 | | GAIN <BLUE> | 1023 700 |
| 10 | | PIN AMP | 255 128 | 64 | USER C/T ORG | 3200K SW | 1 0 |
| 11 | | LOWER PIN AMP | 255 128 | 65 | | BIAS <RED> | 1023 600 |
| 12 | | UPPER PIN AMP | 255 128 | 66 | | BIAS <GREEN> | 1023 300 |
| 13 | | SEXY | 255 128 | 67 | | BIAS <BLUE> | 1023 300 |
| 14 | | V LINEARITY | 255 128 | 68 | | GAIN <RED> | 1023 800 |
| 15 | | V BOW | 63 35 | 69 | | GAIN <GREEN> | 1023 700 |
| 16 | | LOWER V BOW | 63 20 | 70 | | GAIN <BLUE> | 1023 500 |
| 17 | | V ANGLE | 63 20 | 71 | W/B | SUB CON <NORMAL> | 255 178 |
| 18 | U/S DEF | V SIZE <50> | 255 140 | 72 | | SUB CON <O/S> | 255 178 |
| 19 | | V SIZE <60> | 255 140 | 73 | | SUB BRIGHT | 255 69 |
| 20 | | H SIZE | 255 128 | 74 | OTHER | LANDING | 255 64 |
| 21 | | PIN PHASE | 255 128 | 75 | | SPLIT PHASE | 255 0 |
| 22 | | PIN AMP | 255 100 | 76 | | DEGAUSS DELAY | 127 0 |
| 23 | O/S DEF | V SIZE <50> | 255 190 | 77 | | V HOLD | 255 128 |
| 24 | | V SIZE <60> | 255 190 | 78 | | H BLANKING | 255 73 |
| 25 | | H SIZE | 255 128 | 79 | | O/S H BLANKING START | 255 73 |
| 26 | | PIN PHASE | 255 128 | 80 | | O/S H BLANKING END | 255 76 |
| 27 | | PIN AMP | 255 150 | 81 | | V BLANKING <50> | 255 82 |
| 28 | COMPONENT | SUB PHASE | 255 130 | 82 | | O/S UPPER V BLK <50> | 255 14 |
| 29 | | SUB CHROMA <NORMAL> | 255 182 | 83 | | O/S LOWER V BLK <50> | 255 177 |
| 30 | | SUB CHROMA <SMPTE> | 255 170 | 84 | | V BLANKING <60> | 255 161 |
| 31 | | R-Y LEVEL | 255 163 | 85 | | O/S UPPER V BLK <60> | 255 19 |
| 32 | NTSC | BURST GATE PULSE WIDTH | 255 52 | 86 | | O/S LOWER V BLK <60> | 255 230 |
| 33 | | CRYSTAL | 255 59 | 87 | | HP POSITION | 255 145 |
| 34 | | PHASE | 255 80 | 88 | | HP WIDTH | 255 148 |
| 35 | | B-Y PHASE | 255 162 | 89 | SYSTEM | 358 TRAP FILTER | 1 0 |
| 36 | | CHROMA | 255 98 | 90 | | CAPTION VISION | 7 0 |
| 37 | | R-Y LEVEL | 255 98 | 91 | | COMPONENT LEVEL | 3 ※ |
| 38 | PAL | CRYSTAL | 255 82 | 92 | | NTSC SETUP LEVEL | 1 ※ |
| 39 | | PHASE | 255 110 | 93 | | CHROMA SET UP | 1 0 |
| 40 | | B-Y PHASE | 255 122 | 94 | | COLOR SYSTEM DISPLAY | 3 0 |
| 41 | | CHROMA | 255 109 | 95 | | COLOR TEMPERATURE | 3 0 |
| 42 | | R-Y LEVEL | 255 121 | 96 | | USER PRESET | 1 0 |
| 43 | C/T1 D?? | 3200K SW | 1 0 | 97 | | LANGUAGE | 7 0 |
| 44 | | BIAS <RED> | 1023 600 | 98 | | RGB MODE A | 3 1 |
| 45 | | BIAS <GREEN> | 1023 300 | 99 | | RGB MODE B | 3 1 |
| 46 | | BIAS <BLUE> | 1023 300 | 100 | | AGING MODE | 1 0 |
| 47 | | GAIN <RED> | 1023 800 | 101 | | REMOTE MODE KEY | 1 0 |
| 48 | | GAIN <GREEN> | 1023 700 | 102 | | MODEL | 31 ※ |
| 49 | | GAIN <BLUE> | 1023 500 | 103 | | COLOR TEMP DISP 1 | 127 65 |
| 50 | C/T2 D?? | 3200K SW | 1 0 | 104 | | COLOR TEMP DISP 2 | 127 56 |
| 51 | | BIAS <RED> | 1023 700 | 105 | | COLOR TEMP DISP 3 | 127 93 |
| 52 | | BIAS <GREEN> | 1023 300 | 106 | | REMOTE ADDRESS | 63 1 |
| 53 | | BIAS <BLUE> | 1023 200 | 107 | | FACTORY SET FLAG | 1 0 |
| 54 | | GAIN <RED> | 1023 800 | | | | |

Table 3-1-2 SERVICE MAP I (2)

| Model Name | Component level | NTSC Set-up level | Model |
|-------------|-----------------|-------------------|-------|
| PVM-20M2MDU | 1 | 1 | 0 |
| PVM-20M2MDE | 2 | 0 | 2 |
| PVM-20M2MDA | 2 | 0 | 3 |
| PVM-14M2MDU | 1 | 1 | 4 |
| PVM-14M2MDE | 2 | 0 | 6 |
| PVM-14M2MDA | 2 | 0 | 7 |

2. SERVICE MAP II

Table 3-1-3 SERVICE MAP II

| | SERVICE ITEM | MAX | STD | |
|----|---------------------|-----|--------|--------|
| | | | 14inch | 20inch |
| 1 | W/B NTSC R-Y | 255 | 174 | 171 |
| 2 | W/B NTSC B-Y | 255 | 161 | 158 |
| 3 | W/B PAL R-Y | 255 | 176 | 180 |
| 4 | W/B PAL B-Y | 255 | 160 | 158 |
| 5 | W/B COMPONENT A R-Y | 255 | 161 | 174 |
| 6 | W/B COMPONENT A B-Y | 255 | 156 | 178 |
| 7 | W/B COMPONENT B R-Y | 255 | 161 | 174 |
| 8 | W/B COMPONENT B B-Y | 255 | 156 | 178 |
| 9 | W/B RGB A R-Y | 255 | 114 | 127 |
| 10 | W/B RGB A B-Y | 255 | 131 | 134 |
| 11 | W/B RGB B R-Y | 255 | 114 | 127 |
| 12 | W/B RGB B B-Y | 255 | 131 | 134 |
| 13 | LINE A CONTRAST | 100 | 50 | 50 |
| 14 | LINE A BRIGHT | 100 | 50 | 50 |
| 15 | LINE B CONTRAST | 100 | 50 | 50 |
| 16 | LINE B BRIGHT | 100 | 50 | 50 |
| 17 | RGB A CONTRAST | 100 | 50 | 50 |
| 18 | RGB A BRIGHT | 100 | 50 | 50 |
| 19 | RGB B CONTRAST | 100 | 50 | 50 |
| 20 | RGB B BRIGHT | 100 | 50 | 50 |

3-2. PREPARATION (2). INITIALIZATION

- * Supply composite video or component signals as shown in Table 3-2.

Table 3-2

| Signal | | Details of signal | Standard level P-W |
|--------------------|-------|---|-----------------------|
| Composite video | 358NT | 100% white | 0.714V |
| | | 75% white | 0.536V |
| | PAL | 100% white | 0.7V |
| | | 75% white | 0.525V |
| Component | BETA0 | 100% white Y | 0.7V |
| | | 75% white Y | 0.525V |
| | | 75%color B-Y, R-Y (P-P for this item only) | 0.7V |
| | SMPTE | 100% white Y | 0.7V |
| | | 75% white Y | 0.525V |
| | | 75%color B-Y, R-Y (P-P for this item only) | 0.525V |
| Voice/sound | | -5dBs | 0.436Vrms |

- * In this chapter, indicates the control items in the service mode.

Example: 60 H-FREQ

- * Before turning off the power after adjustment in the service mode, write the adjustment data. When the power is turned off before writing, adjusted data will all be lost.

3-3. WRITING MODEL DATA

1. Write model data on respective models in the service mode at the location of No.102 MODEL in accordance with Table 3-3.

Table 3-3

| Model | Model data |
|-------------|------------|
| PVM-20M2MDU | 0 |
| PVM-20M2MDE | 2 |
| PVM-20M2MDA | 3 |
| PVM-14M2MDU | 4 |
| PVM-14M2MDE | 6 |
| PVM-14M2MDA | 7 |

2. Write the following data in the service mode at the location of No.103 COLOR TEMP DISP 1.
COLOR TEMP DISP 1
65
3. Write the following data in the service mode at the location of No.104 COLOR TEMP DISP 2.
COLOR TEMP DISP 2
56
4. Write the following data in the service mode at the location of No.105 COLOR TEMP DISP 3.
COLOR TEMP DISP 3
93

- * Standard inspection state

Unless otherwise specified in this manual, make adjustment under the following conditions:

| | | |
|----------|-----|-------------------------------------|
| APERTURE | MIN | (Turn FLAT fully counterclockwise.) |
| BRIGHT | 50% | (Center click) |
| CHROMA | 50% | (Center click) |
| PHASE | 50% | (Center click) |
| CONTRAST | 80% | (Center click) |
| VOLUME | 50% | |

3-4. PICTURE OUTPUT

1. AC input voltage setting

1. Input VIDEO signals and AUDIO signals to respective terminals on the connector panel.
2. Set the sliduck AC voltage as shown in Table 3-4.

Table 3-4

| Group of models | Voltage |
|--|------------------------------|
| PVM-20M2MDU PVM-14M2MDU | AC 120±3V (Same as above) |
| PVM-20M2MDE PVM-20M2MDA PVM-14M2MDE PVM-14M2MDA | AC 220±3V (Same as above) |

3-5. LANDING ADJUSTMENT

1. CONT ... MAX
BRT ... Conspicuous position
2. Roughly adjust the white balance, G2, and convergence.
3. Switch the rotary SW of the single color switch to change the color into green only.
4. Adjust the purity knob so that the green will come to the center of the screen. Make R and B almost identical. (Fig. 3-1)
5. Switch to B only, R only, and G only and verify each. (Figs.3-1, 3-2, and 3-3)
6. Bring the deflection yoke gradually forward and adjust the deflection yoke so that R and B on both sides of the screen will be green. (Fig.3-2 n Fig. 3-3)
7. If the deflection yoke comes forward too much, the pattern shown in Fig.3-4 will appear. If so, move the deflection yoke backward. (Fig.3-4 n Fig.3-3)
8. Switch the single color switch to B and verify the single color. (Fig.3-6)
9. Switch the single color switch to R and verify the single color. (Fig.3-9)
10. When two colors are mixed, set the mixed color as the standard, and repeat operations 6 and 7.
11. Switch to an all-white signal and check the uniformity.
12. When the deflection yoke position is determined, fasten it with the fixture.

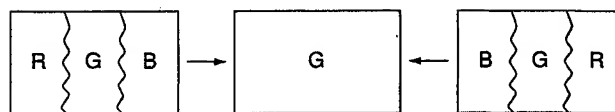
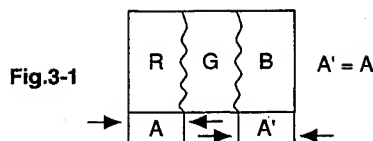


Fig.3-2

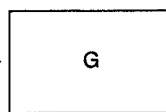


Fig.3-3



Fig.3-4

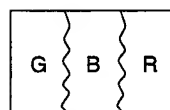


Fig.3-5

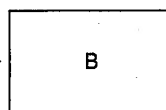


Fig.3-6

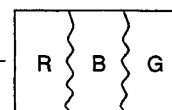


Fig.3-7

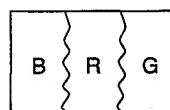


Fig.3-8

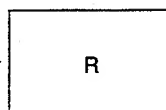
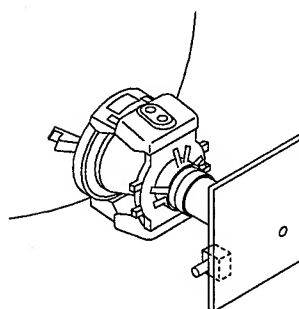


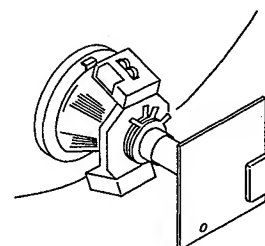
Fig.3-9



Fig.3-10

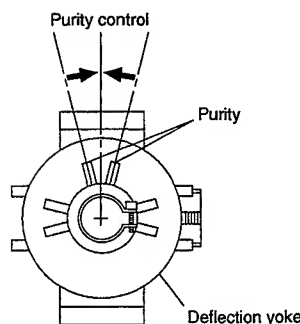


14inch

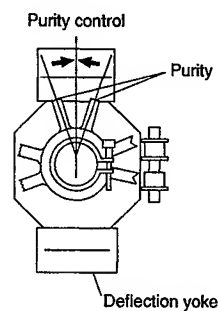


20inch

Fig.3-11



14inch



20inch

Fig.3-12

3-6. CONVERGENCE ADJUSTMENT (1)

1. Input a dot pattern signal.
CONT Conspicuous position
BRT MIN
2. Align the horizontal R, G, and B dots at the center of the screen with the H-START VR.
- * When H-CENT is changed after H-STAT adjustment, re-adjust H-STAT. (H-STAT will change by means of H-CENT VR.)
3. Align the vertical location of R, G, and B in the center of the screen with the V-STAT Mg. (Fig.3-13, 3-14)
- * After V-STAT adjustment, paint-lock the knob.

V-STAT Mg knob

While keeping the angles A and B equal ($I = I'$), align the vertical convergence.

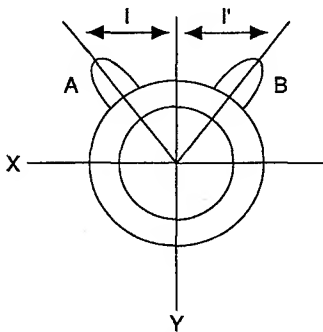


Fig. 3-13 Good example

If the A and B knobs are not symmetrical ($I \neq I'$), the focus may deteriorate, beam striking or other adverse effects may occur.

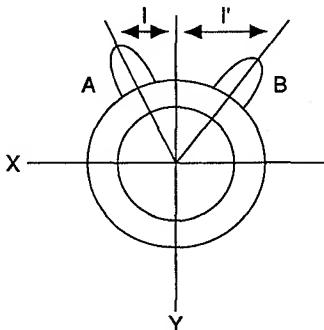
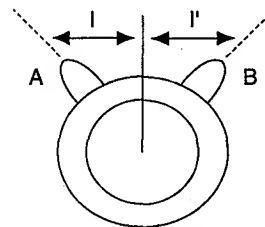


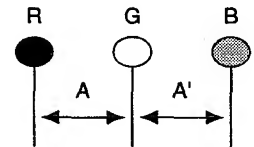
Fig. 3-14 Bad example

4. For HMC, use the BMC Mg to adjust the R and B dots so that they will be symmetrical horizontally with respect to the G dot.



6-pole magnet

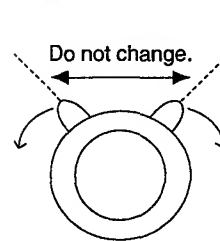
Change the opening degree of the BMC Mg to control the HMC.



Control the BMC Mg so that $A=A'$. Maintain $I=I'$ when moving the Mg.

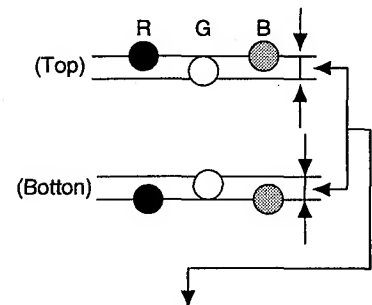
Fig. 3-15

5. For VMC, use the MBC Mg to adjust the R and B dots so that they will be symmetrical vertically with respect to the G dot.



6-pole Mg

For VMC control, turn knob to the right or left without changing their opening degree of the BMC Mg.



Make adjustment so that the gap will be the same at the top and bottom.

Fig. 3-16

6. Repeat adjustments 2. to 5.

* The above adjustment may affect the landing, so after adjustment, check the landing again.

7. Paint-lock the knobs after adjustment.

3-7. DEFLECTION YOKE NECK ROTATION ADJUSTMENT

1. If there is nonconvergence on both sides of the X or Y axis of the screen, turn the neck of the deflection yoke in the direction of the arrow to hold the nonconvergence for the entire CRT screen within the tolerance.

- (1) Reverse cross misconvergence pattern
- (2) Regular cross misconvergence pattern

Move the deflection yoke downward.

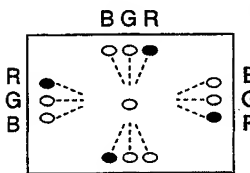


Fig. 3-17

Move the deflection yoke upward.

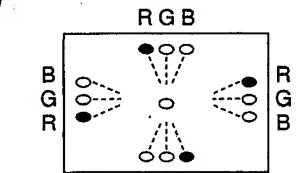


Fig. 3-18

- (3) Pattern of left-sided deflection yoke
- (4) Pattern of right-sided deflection yoke

Move the deflection yoke to the right when viewed from the CRT screen.

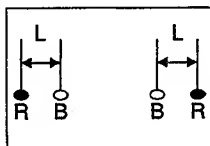


Fig. 3-19

Move the deflection yoke to the left when viewed from the CRT screen.

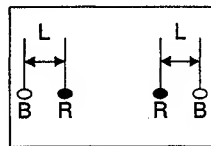


Fig. 3-20

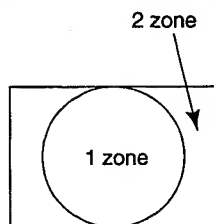


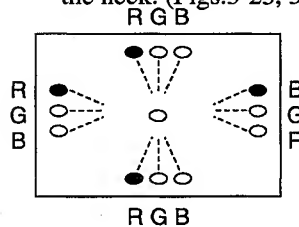
Fig. 3-21

2. Insert the wedge between the deflection yoke and CRT funnel to lock the deflection yoke. (Fig.3-22)



Fig. 3-22

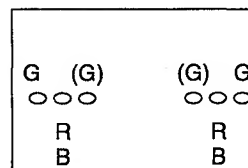
3. The following patterns cannot be corrected by turning the neck. (Figs.3-23, 3-24, and 3-25)



* Gun rotation

The X-axis and Y-axis beams are distorted on both sides.

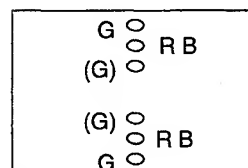
Fig. 3-23



* HCR Large(Small)

The horizontal portion of the G raster is wider(narrower) than that of the RB raster on both sides of the screen.

Fig. 3-24



* VCR Large(Small)

The vertical portion of the G raster is wider(narrower) than that of the RB raster on both sides of the screen.

Fig. 3-25

3-8. CONVERGENCE ADJUSTMENT (2)

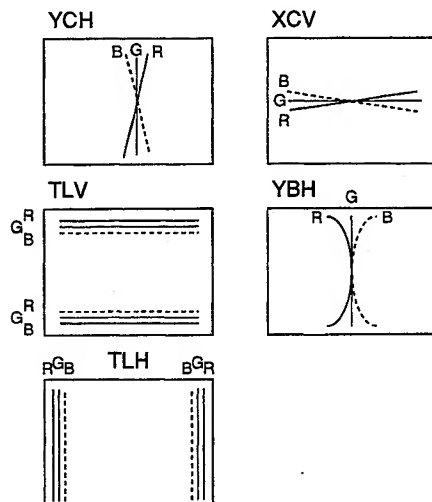


Fig. 3-26 Convergence compensation VR, coil, and compensator

Note : When adjustment is insufficient, use permalloy for perfect adjustment.

1. 14 inch Models

1. Input a cross-hatch signal.
2. Make adjustment with the TLV, YCH VR, and XCV coils of the deflection yoke to minimize nonconvergence.
3. When the nonconvergence of the TILT component is included in the horizontal convergence, insert the TLH compensator into the deflection yoke for adjustment. (Fig.3-26)

2. 20 inch Models

1. Input a cross-hatch signal.
2. Make adjustment with the XCV coil of the deflection yoke to minimize nonconvergence.
3. When the nonconvergence of the TILT component is included in the vertical convergence, insert the TLV compensator into the deflection yoke for adjustment. (Fig.3-26)

3-9. G2 ADJUSTMENT

1. Input a 525 monoscope signal.
2. Connect the probe of the oscilloscope to TP403 on the A board.
3. Measure the lowest reference pulse of the three.
4. Make adjustment with SCREEN VR so that the left end of the waveform will be $1.35 \text{ V} \pm 0.05 \text{ V}$.

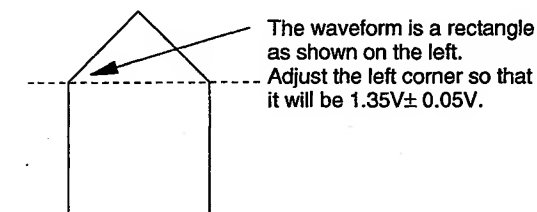
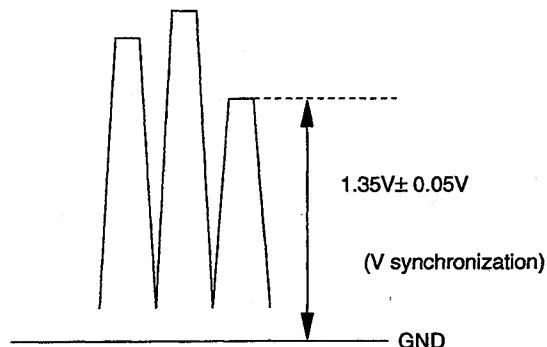


Fig. 3-27

3-10. WHITE BALANCE ADJUSTMENT

1. Input a 525 monoscope signal. (Input from LINE A or B with no burst.)
2. Set as follows:
CONT 0%
BRT 50%
3. Adjust **[SUB-BRIGHT]** in the service mode so that the 20-tone gray scale will be as follows:
0 and 5 IRE → Cut off
10 IRE → Slight glow
4. Input 525 all-white (COMPOSITE signal without burst).
5. Set CONT VR to 80%.
6. Adjust the all-white luminance so that the screen luminance will be 3 NIT.
7. Press MENU and select COL TEMP SELECT.
8. Select 6500K.
Set **[3200K SW]** to "0" for both T1, T2 and T3.
9. Put the unit into the service mode.
10. Adjust to the standard values with <RED> and <BLUE> of **[CT1 6500K BIAS]**. (Refer to NOTE:)
11. Switch the all-white signal luminance to 100 IRE.
12. Adjust to the standard values with <RED> and <BLUE> of **[CT1 6500K GAIN]**. (Refer to NOTE:)
13. Repeat adjustment (10, 11, and 12) until the adjustment is complete, and then write the adjustment data.
14. Press MENU and select COL TEMP SELECT.
15. Select 5600K.
16. Adjust **[CT2 5600K BIAS]** **[CT2 5600K GAIN]** in the same manner as adjustments 10. to 13..
17. The adjustment is complete, and then write the adjustment data.
18. Press MENU and select COL TEMP SELECT.
19. Select 9300K.
20. Adjust **[CT3 9300K BIAS]** **[CT3 9300K GAIN]** in the same manner as adjustments 10. to 13.. (Refer to NOTE:)
21. The adjustment is complete, and then write the adjustment data.

NOTE : Set cut-off to 3NIT.

Fix as follows : <GREEN>

BIAS GREEN ... "300"

GAIN GREEN ... "700"

<Standard Values>

COL TEMP 1 ... 6500K + 8MPCD

COL TEMP 2 ... 5600K + 8MPCD

COL TEMP 3 ... 9300K + 8MPCD

3-11. SUB BRT ADJUSTMENT

1. Input a 525 monoscope signal.
2. Set as follows :
CONT.... Min
BRT 50%
3. Select **[SUB BRIGHT]** in the service mode.
4. Adjust **[SUB BRIGHT]** so that 10 IRE glows slightly and 0 IRE is cut off.

3-12. FOCUS ADJUSTMENT

1. 20 inch Models

1. Input a 525 monoscope signal.
2. Adjust the focus to optimize the focus on the characters "30" at the center of the screen with FOCUS PACK VR.
3. Switch to an all-white signal and check the uniformity.
4. After focus adjustment, paint-lock the FOCUS PACK VR knob.

2. 14 inch Models

1. Input a 525 dot signal.
2. Make adjustment so that the center dot and center of the dots on both sides are not separated with using RV707 on C board.
3. Check that the resolution is more than 600 lines by means of a digital monoscope signal.
4. Change an all-white signal, and check that the magenta ring is un conspicuous by means.

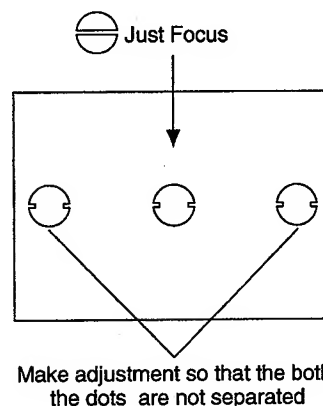






Fig. 3-28

SECTION 4

SAFETY RELATED ADJUSTMENT

When the parts (with a ,  mark on the circuit diagram) shown below are replaced, confirm the matters described in items 4-1 and 4-2 shown below.

-  R1536
-  R551, R506, R519, R518, R516, R515, R508, R517, R1536, R1560, R1537, C549, C512, C513, C523, C592, D501, D533, Q500, Q511, IC500, and IC507

When the following parts are replaced, check the +B voltage: IC600, IC602, D610, C615, C631, C621, C632, and T603

Confirmation procedure

1. Input 120 VAC.
2. Input a monoscope signal, and minimize CONTRAST and BRIGHT.
3. Check that the voltage of the CN605 ① pin is 115.7 VDC.

4-1. CONFIRMATION OF +B MAXIMUM

Standard : Less than 115.7 VDC(CN605 pin ①)

Check Condition Input voltage : 130 VAC

Note : Use NF Power Supply or make sure that distortion factor is 3% or less.

Input signal : Monoscope

Controls : BRT & CONT → Normal

4-2. CONFIRMATION OF HOLD-DOWN CIRCUIT

Check Condition Input voltage : 130 VAC

Input signal : White & Dot

Controls : BRT & Cont → Max. & Min.

4-2-1. Hold-Down Circuit (+B)

- a) Adjust the beam current to $1000 \pm 50 \mu\text{A}$ (20 inch), $600 \pm 50 \mu\text{A}$ (14 inch) with the pin ④ of CN605 with the external DC power supply (less than 130.0 VDC (20 inch), 127.0 VDC (14 inch)) to the point just before the hold-down circuit works.

Input Signal : White

- b) Adjust the beam current to $100 \pm 20 \mu\text{A}$ (20 inch), $80 \pm 20 \mu\text{A}$ (14 inch) with the pin ④ of CN605 with the external DC power supply (less than 131.0 VDC (20 inch), 127.0 VDC (14 inch)) to the point just before the hold-down circuit works.

Input Signal : Dot

4-2-2. Hold-Down Circuit (3rd Wire voltage of FBT)

Check item : Check of pin ⑪ of IC500 voltage : more than 110.0 VDC

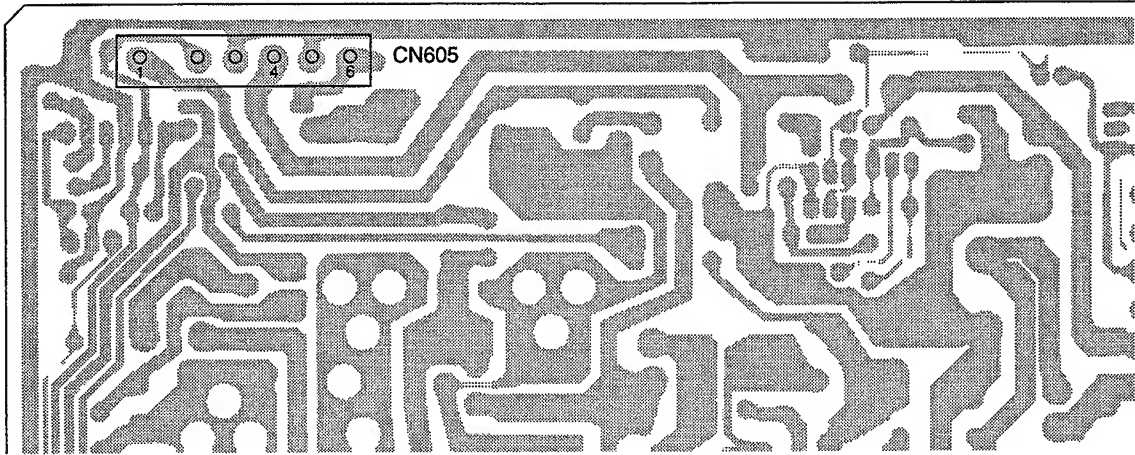
- a) Adjust the beam current to $1000 \pm 50 \mu\text{A}$ (20 inch), $600 \pm 50 \mu\text{A}$ (14 inch) with the pin ⑪ of IC500 with the external DC power supply (less than 141.0 VDC) to the point just before the hold-down circuit works.

Input Signal : White

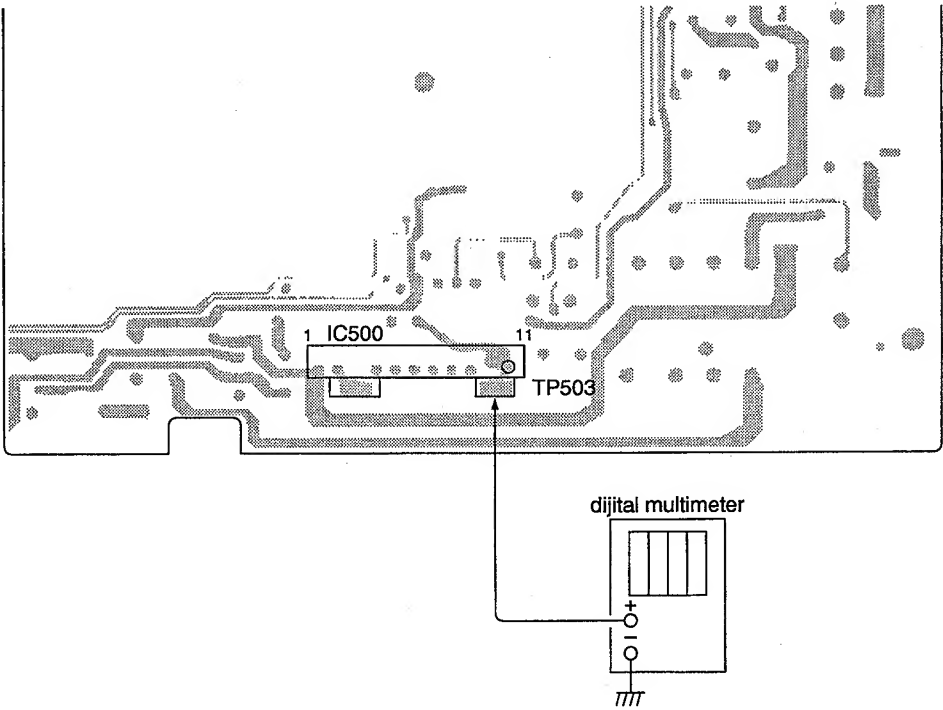
- b) Adjust the beam current to $100 \pm 20 \mu\text{A}$ (20 inch), $80 \pm 20 \mu\text{A}$ (14 inch) with the pin ⑪ of IC500 with the external DC power supply (less than 143.0 VDC (20 inch), 141.0 VDC (14 inch)) to the point just before the hold-down circuit works.

Input Signal : Dot

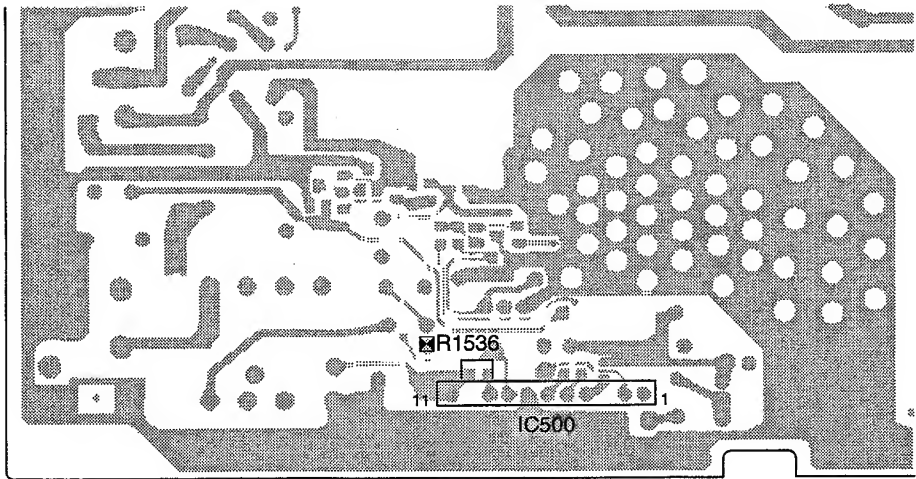
G board



A board (A side)

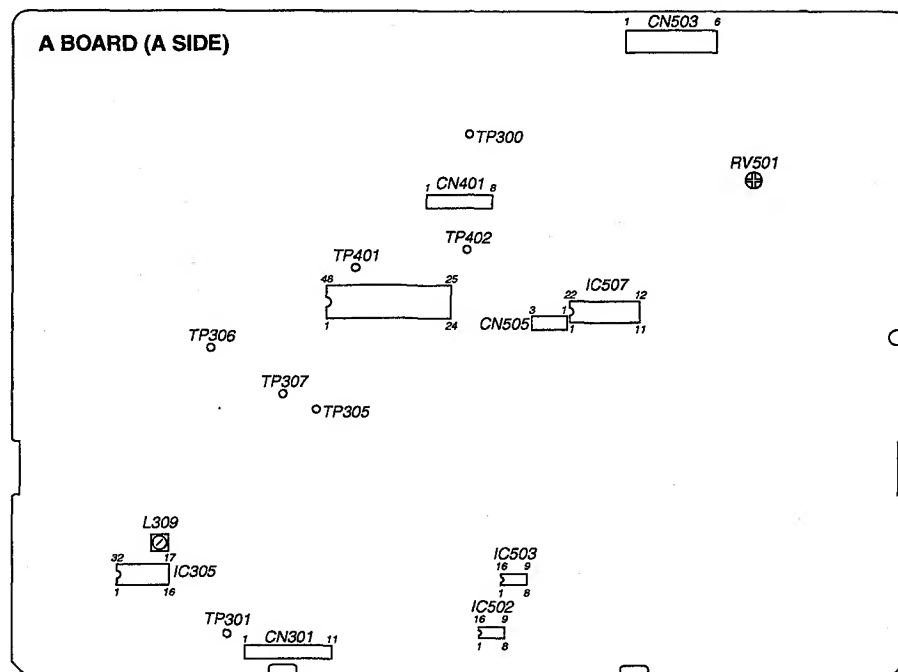


A board (B side)



SECTION 5 CIRCUIT ADJUSTMENTS

5-1. A BOARD ADJUSTMENT



1. PREPARATION/SIGNAL SPECIFICATIONS

1. Signal specifications

- * Supply a composite video or component signals from the CN301 connector. Refer to Table 5-1 to take into consideration the effect on the Q board.

The level of the signal to supply should equal to values shown in Table 5-1 plus/minus 2% max.

Table 5-1

| Signal | | Details of signal | Standard level (Pedestal white) | Reduction rate % | Connector supply level (P.W) |
|------------------------------------|--------|--|------------------------------------|---------------------|---------------------------------|
| Composite video (75% color bar) | 358NT | 100% white | 0.714V | 93% | 0.664V |
| | | 75% white | 0.536V | 93% | 0.498V |
| | | Burst (Green section) (P-P for this item only) | 286mV (632mV) | 94% (94%) | 269mV (594mV) |
| | PAL | 100% white | 0.7V | 94% | 0.651V |
| | | 75% white | 0.525V | 94% | 0.488V |
| | | PAL burst (Green section) (P-P for this item only) | 300mV (664mV) | 94% (94%) | 282mV (624mV) |
| Component (75% color bar) | BETA 0 | 100% white | 0.7V | 94.8% | 0.664V |
| | | 75% white | 0.525 | 94.8% | 0.498V |
| | | 75% color B-Y, R-Y (P-P for this item only) | 0.7V | 94.8% | 0.664V |
| | SMPTE | 100% white | 0.7V | 94.8% | 0.664V |
| | | 75% white | 0.525V | 94.8% | 0.498V |
| | | 75% color B-Y, R-Y (P-P for this item only) | 0.525 | 94.8% | 0.498V |

2. Preparation

- * In this chapter, indicates the control items in the service mode.

Example: 60 H-FRQ

- Write the applicable model data at the location of NO.102 MODEL in the service mode.

PVM-20M2MDU 0

PVM-20M2MDE 2

PVM-20M2MDA 3

PVM-14M2MDU 4

PVM-14M2MDE 6

PVM-14M2MDA 7

2. ADJUSTMENT OF DEFLECTION SYSTEM

1. Adjustment of horizontal oscillation frequency

1. Input a 525 monoscope signal.
2. Set as follows :
CONT ... 80%
BRT 50%
3. Set the unit in the service mode.
4. Connect the IC507 ①PIN on the A board to GND via the 100 μ /16V chemical capacitor. (Use CN505③PIN for GND.) Or insert the H-FREQ jig into CN505.

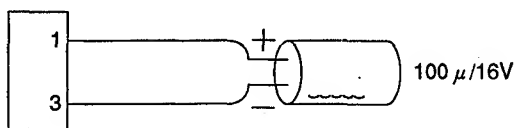
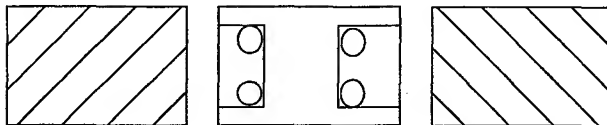


Fig.5-1 H-FREQ jig

5. Adjust **60H-FREQ** so that the slanting lines on the screen will be vertical. (Fig.5-2)
6. Input a 625 monoscope signal.
7. Adjust **50H-FREQ** so that the slanting lines on the screen will be vertical. (Fig.5-2)



Fo:Low

Fo:Optimal

Fo:High

Fig.5-2

2. H BLANKING adjustment

1. Input a 525 monoscope signal.
2. Set as follows :
CONT ... 80%
BRT 50%
3. Set the unit in the service mode.
4. Observe the anode of TP300 or D516 with an oscilloscope, and adjust **H-BLANKING** so that the waveform will be as shown in Fig.5-3.

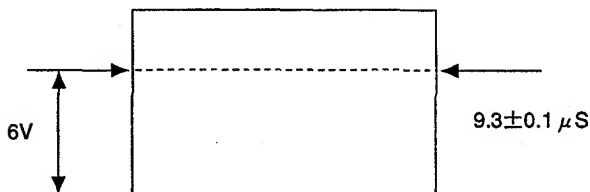


Fig.5-3

3. O/S H BLANKING adjustment

1. Input a 525 monoscope signal.
2. Set the unit in the OVER SCAN mode.
3. Set as follows :
CONT ... 80%
BRT 50%
4. Set the unit in the service mode.
5. Observe the anode of TP307 and TP300 or D516 with an oscilloscope, and adjust **O/S H-BLK START** and **O/S H-BLK END** so that the waveform will be as shown in Fig.5-4.

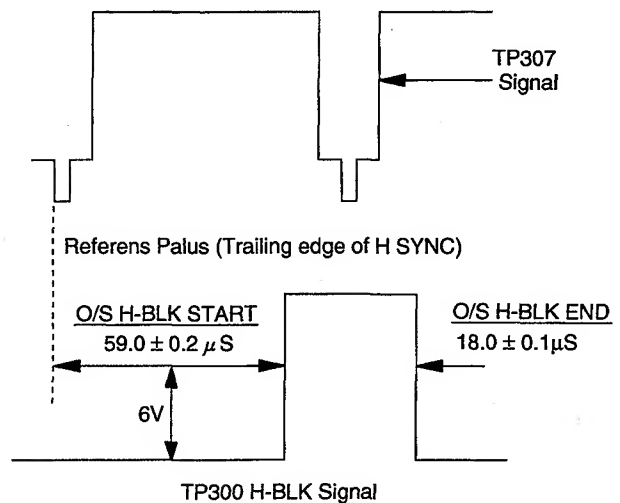


Fig.5-4

4. Picture phase adjustment

1. Input a 525 monoscope signal.
2. Set the unit in the UNDER SCAN mode.
3. Set as follows :
CONT ... Min.
BRT Max.
4. Set the unit in the service mode.
5. Adjust **[U/S H SIZE]** so that the white frame of the monoscope will be approx. 1 cm to the inside of the effective screen.
6. Turn RV501 (H-CENT) so that $B = B'$.
7. Adjust **[60 VIDEO PHASE]** so that the signal area will be in the center ($A = A'$) of the deflection area. (Fig.5-5)
8. Input a 625 monoscope signal.
9. Adjust **[50 VIDEO PHASE]** in the same manner.

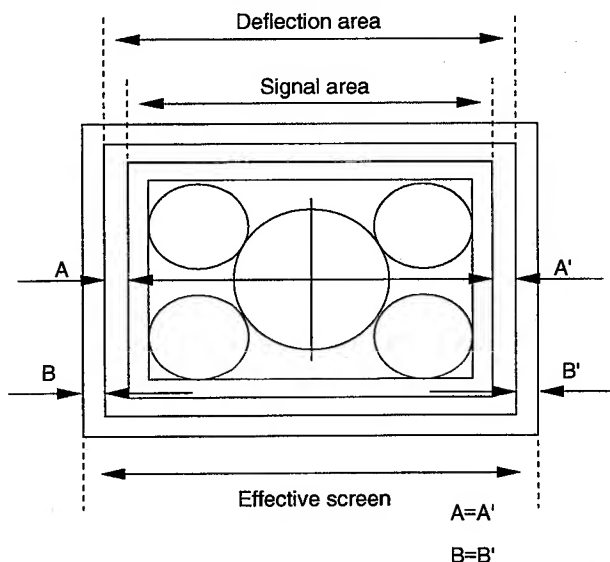


Fig.5-5

5. V BLANKING adjustment

1. Input a 525 monoscope signal.
2. Set the unit in the UNDER SCAN mode.
3. Set as follows :
CONT ... Min.
BRT ... Max.
4. Set the unit in the service mode.
5. Adjust **[V-BLANKING <60>]** so that the white frame in the upper section of the monoscope will be about to be blanked.

Note : Blanking up to the point 1H away from the white frame is permissible, but the adjusting center should be up to the point 0.5H away from the frame.

6. Input a 625 monoscope signal.
7. In the same way as 5. shown above, adjust **[V-BLANKING <50>]**.

6. Vertical deflection adjustment

1. Input a 525 monoscope signal.
2. Set as follows :
CONT 80%
BRT 50%
3. Set the unit in the service mode.
4. Roughly adjust **[NOR 60 V.SIZE]** so that the size will be 12 frames.
Adjust V.LIN with **[V.LIN]**.
Adjust CENT with **[V.CENT]**.
V.CENT must be reviewed after adjustment of V.LIN.
Adjust **[NOR 60 V.SIZE]** so that it will equal the standard value.
5. Input a 625 signal.
6. Adjust **[NOR 50 V.SIZE]** so that the SIZE will equal the standard value.

Table 5-2 NORMAL V. SIZE standard

| | 525 | 625 |
|-------|------------------|-----------------|
| 4 : 3 | 11.75±0.2 frames | 11.2±0.2 frames |

7. Horizontal deflection adjustment (Normal scan adjustment)

1. Input a 525 monoscope signal.
2. Set as follows :
CONT ... 80%
BRT 50%
3. Set the unit in the service mode.
4. Rough adjustment of H.SIZE
Roughly adjust **[NOR H.SIZE]** so that H.SIZE will be 15.75 frames.
5. Adjust the horizontal deflection by means of **[NOR PIN AMP]**, **[NOR PIN PHASE]**, **[NOR U.PIN AMP]**, **[SEXY]**, **[V BOW]**, **[V ANGL]**, **[NOR H SIZE]**, **[L PIN AMP]**, and **[L V BOW]**.
(While correcting a distorted parallelogram and curvature with V.ANGL and BOW, make adjustment so that the horizontal and vertical lines of the screen will be straight.)
6. Input a 625 monoscope signal.
7. Confirm that the screen is normal.

Table 5-3 NORMAL H. SIZE standard

| | 525 | 625 |
|-------|------------------|-----------------|
| 4 : 3 | 15.75±0.2 frames | 15.0±0.2 frames |

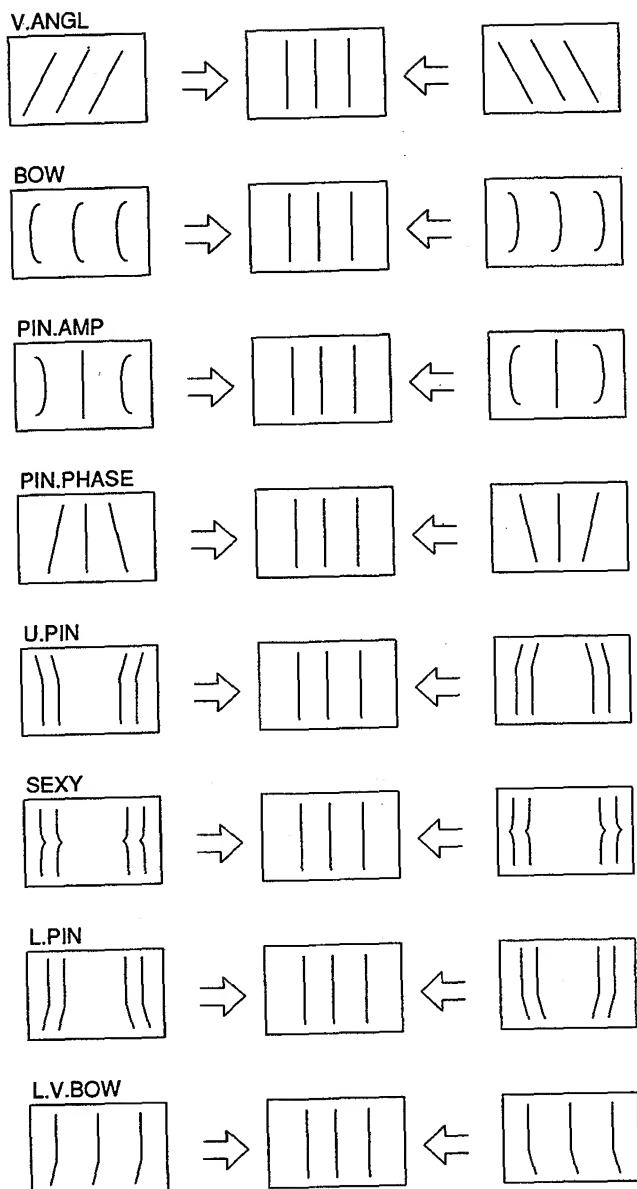


Fig.5-6

8. UNDER SCAN adjustment

1. Input a 525 monoscope signal.
2. Set as follows :
CONT 80%
BRT 50%
3. Set the unit in the U/S mode.
4. Set the unit in the service mode.
5. Adjust **[U/S V SIZE <50>]** so that UNDER V.SIZE will be within the standard.
6. Adjust **[U/S H SIZE]** so that UNDER H.SIZE will be within the standard.
7. Adjust **[U/S PIN AMP]** and **[U/S PIN-PHASE]**. (Adjust tracking according to 5., 6., and 7.)
8. After adjustment, the white frame of the monoscope shall not be out of the effective screen.

9. Input a 625 monoscope signal.

10. Adjust **[U/S V SIZE <50>]** becomes within the standard value.

Table 5-4
Standard values for 14 inch

| | 525 | 625 |
|------------|-----------|-----------|
| U/S H-SIZE | 252 ± 2mm | 252 ± 2mm |
| U/S V-SIZE | 188 ± 2mm | 188 ± 2mm |

Table 5-5
Standard values for 20 inch

| | 525 | 625 |
|------------|-----------|-----------|
| U/S H-SIZE | 364 ± 3mm | 364 ± 3mm |
| U/S V-SIZE | 272 ± 3mm | 272 ± 3mm |

9. OVER SCAN adjustment

1. Input a 525 monoscope signal.
2. Set as follows :
CONT ... 80%
BRT 50%
3. Set the unit in the O/S mode.
4. Set the unit in the service mode.
5. Adjust **[O/S H SIZE]** so that H.SIZE becomes 13.6 frames and **[O/S V SIZE <60>]** so that V.SIZE becomes 10.2 frames.
6. Adjust horizontal deflection section with **[O/S PIN AMP]** **[O/S PIN PHASE]**.
7. Input a 625 monoscope signal.
8. Adjust **[O/S V SIZE <50>]** becomes within the standard value.

Table 5-6 Standard value

| | 525 | 625 |
|------------|------------------|------------------|
| O/S H-SIZE | 13.6 ± 0.2 frame | 13.0 ± 0.2 frame |
| O/S V-SIZE | 10.2 ± 0.2 frame | 9.8 ± 0.2 frame |

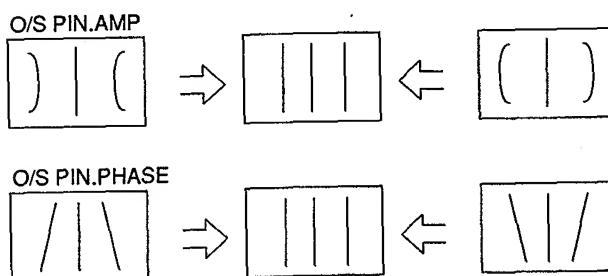


Fig.5-7

10. Writing adjustment results

Write the adjustment results.

Note: Do not turn off the power before writing the adjustment results; otherwise, they will all be lost.

3. Signal system adjustment

1. SUB PHASE adjustment

1. Input a component color bar (R-Y) and EXT SYNC. (BETA 0 level signal)
2. Set the unit in the EXT SYNC mode for component input.
3. Connect the probe of an oscilloscope to IC404 ③⑩ PIN or TP402.
4. Set the unit in the service mode.
5. Adjust **SUB PHASE** so that the output waveform will be minimum (15 mVp-p or less). (Fig.5-8)

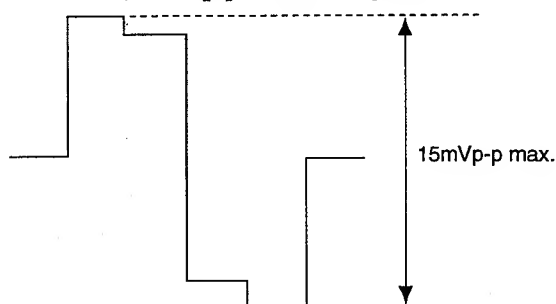
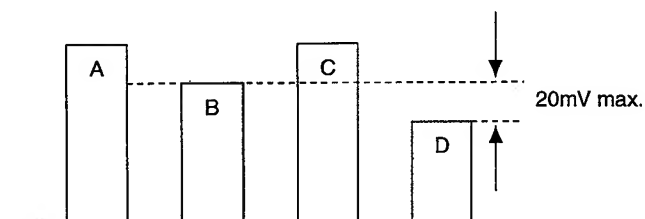


Fig. 5-8

2. SUB CHROMA adjustment

1. Input component color bars (R-Y, Y, and B-Y). (BETA 0 level signal)
2. Set COMPONENT LEVEL to BETA 0 via MENU.
3. Connect the probe of an oscilloscope to IC404 ③⑩ PIN or TP402.
4. Set the unit in the service mode.
5. Adjust **SUB CHROMA NORMAL** so that the peaks of waveforms will be flush with each other as shown in Fig.5-9.

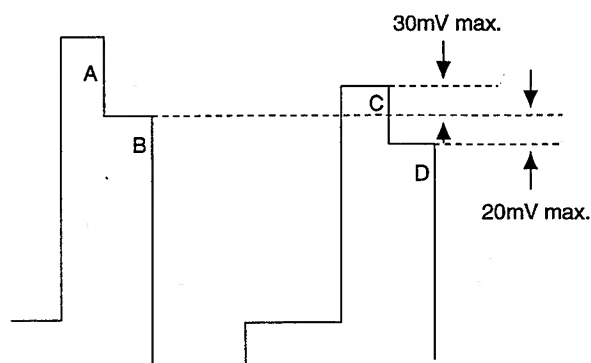


Make B flush with D

Fig. 5-9

3. R-Y LEVEL adjustment

1. Input component color bars (R-Y, Y, and B-Y). (BETA 0 level signal)
2. Set COMPONENT LEVEL to BETA 0 via MENU.
3. Connect the probe of an oscilloscope to IC404 ③⑩ PIN or TP401.
4. Set the unit in the service mode.
5. Adjust **R-Y LEVEL COMPONENT** so that the peaks of waveforms will be flush with each other as shown in Fig.5-10.



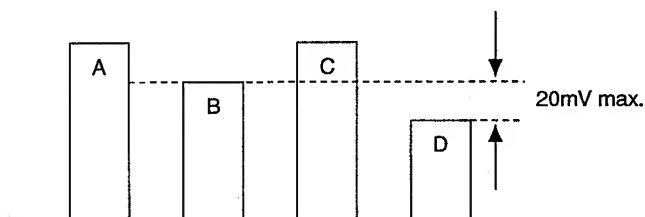
Make adjustment so that B = D as shown above. (20 mV max.)

Check that the difference between B and C is 30 mV or less.

Fig. 5-10

4. SMPTE SUB COL adjustment

1. Input component color bars (R-Y, Y, and B-Y). (SMPTE level signal)
2. Set COMPONENT LEVEL to N10/SMPTE via MENU.
3. Connect the probe of an oscilloscope to IC404 ③⑩ PIN or TP402.
4. Set the unit in the service mode.
5. Adjust **SUB CHROMA SMPTE** so that the levels of B and D will be the same. (Fig.5-11)



Make B flush with D

Fig. 5-11

5. Adjustment of burst gate pulse width

1. Input an NTSC color bar.
2. Connect the probe of an oscilloscope to TP301 (COMP-SYNC) and Q363 (E) or IC305 ①PIN. (Exercise care since IC305 (1) PIN is a high-impedance line.)
3. Set the unit in the service mode.
4. Adjust **BGP WIDTH** so that the output waveforms will be as shown in Fig.5-12.

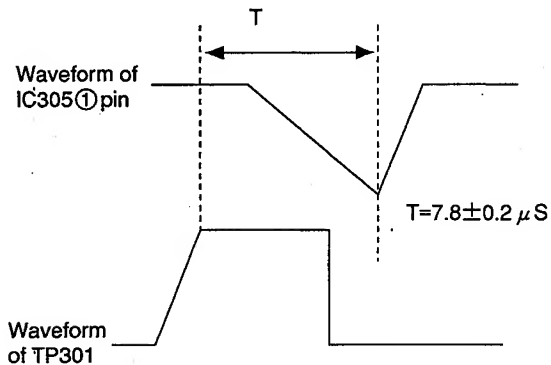


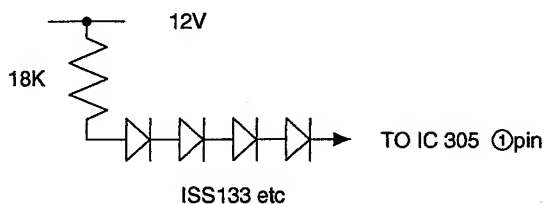
Fig. 5-12

6. VXO adjustment

6-1. X'tal 358

1. Input an NTSC color bar.
2. Connect a frequency counter to IC305 ②PIN.
3. Set the unit in the service mode.
4. Connect IC305 ①PIN as shown in Fig.5-13.
5. Adjust **NTSC CRYSTAL** so that the counter reading will be within the standard values shown below. (Adjustment may be made at a point at which the color flickering stops.)

X'tal 358 standard value: 3579545 ± 20 Hz



(Arrange four diodes as close as possible to ①PIN at the shortest possible distance.)

Fig. 5-13

6-2. X'tal 443

1. Input a PAL color bar.
2. Connect a frequency counter to IC305 ②PIN.
3. Set the unit in the service mode.
4. Connect IC305 ①PIN in the same way as 6-1. 4) in 6. VXO adjustment.
5. Adjust **NTSC 443 CRYSTAL** in the same way as 6-1. 5) in 6. VXO adjustment.

X'tal 443 standard value: 4433619 ± 20 Hz

7. NTSC . PAL color demodulation adjustment

7-1. NT358PHASE (NORMAL)

1. Input an NTSC color bar.
2. Connect the probe of an oscilloscope to TP306.
3. Set the unit in the service mode.
4. Adjust **PHASE NTSC 358 NOR** so that the burst section of the output waveform will be straight. (Fig.5-14)

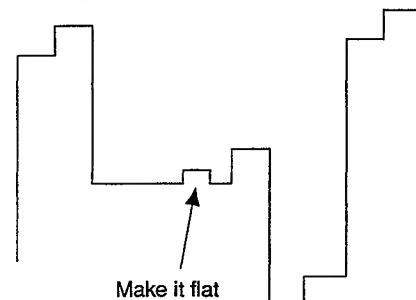


Fig. 5-14

7-2. NT 358 B-Y PHASE

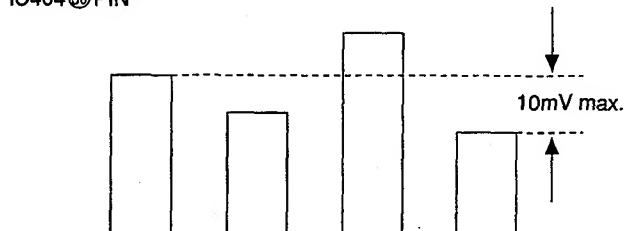
Note : Make adjustment after PHASE adjustment and before CHROMA adjustment.

1. Input an NTSC color bar. (Input only the R-Y component. B-Y and Y should be OFF.)
2. Connect the probe of an oscilloscope to TP305.
3. Set the unit in the service mode.
4. Adjust **B-Y PHASE NTSC 358** so that the color components will be straight.

7-3. NT 358 CHROMA (NORMAL)

- 1) Input an NTSC color bar.
- 2) Connect the probe of an oscilloscope to IC404 ③⑨ PIN or TP402.
- 3) Set the unit in the service mode.
- 4) Adjust **CHROMA NTSC 358 NOR** so that the peaks of waveforms will be flush with each other as shown in Fig.5-15.

IC404 ③⑨ PIN



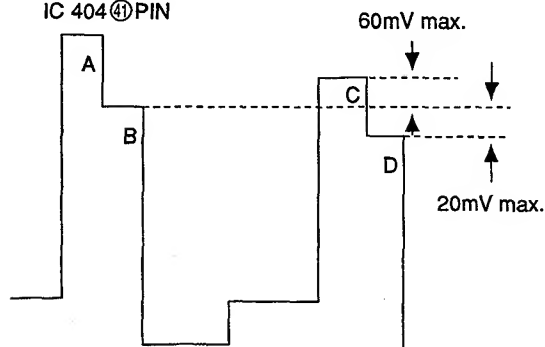
Make adjustment so that the 1st and 4th peaks are at the same level.

Fig. 5-15

7-4. NTSC 358 R-Y LEVEL

- 1) Input an NTSC 358 color bar.
- 2) Connect the probe of an oscilloscope to IC404 ④① PIN or TP401.
- 3) Set the unit in the service mode.
- 4) Adjust **R-Y LEVEL NTSC 358** so that the peaks of waveforms will be flush with each other as shown in Fig.5-16.

IC 404 ④① PIN

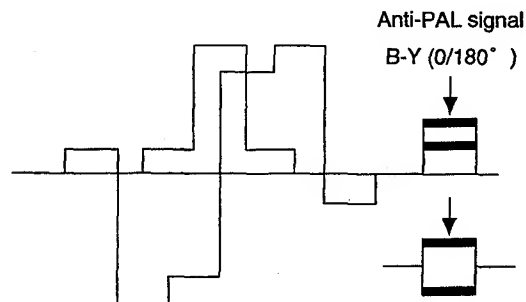


Make adjustment so that B=D as shown above. (20mV max.)
Check that the difference between B and C is less than 60mV.

Fig. 5-16

7-5. PAL PHASE (NORMAL)

- 1) Input a PAL SP color bar.
- 2) Connect the probe of an oscilloscope to TP306.
- 3) Set the unit in the service mode.
- 4) Adjust **PHASE PAL NOR** so that the waveform of the B-Y anti-PAL signal will be "0."

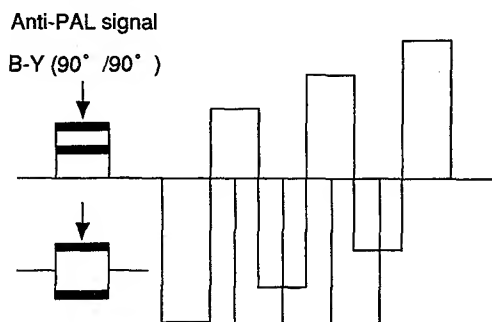


*The signal waveform differs slightly every hour.
Adjust it to "0."

Fig. 5-17 R-Y OUT

7-6. PAL B-Y PHASE

- 1) Input a PAL SP color bar.
- 2) Connect the probe of an oscilloscope to TP305.
- 3) Set the unit in the service mode.
- 4) Adjust **B-Y PHASE PAL** so that the waveform of the R-Y anti-PAL signal will be "0." (Fig.5-18)



*The signal waveform differs slightly every hour.
Adjust it to "0."

Fig. 5-18 B-Y OUT

7-7. PAL CHROMA (NORMAL)

- 1) Input a PAL color bar.
- 2) Connect the probe of an oscilloscope to IC404 ③⑩PIN or TP402.
- 3) Set the unit in the service mode.
- 4) Adjust **CHROMA PAL NOR** so that the peaks of waveforms will be flush with each other. (Fig.5-19)

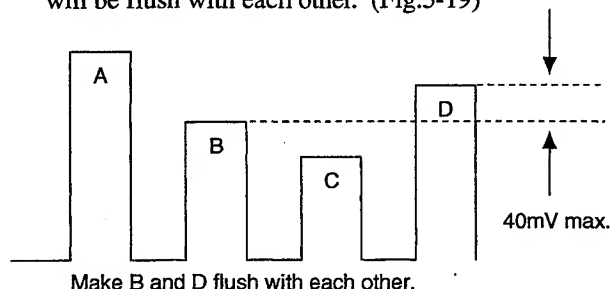


Fig. 5-19

7-8. PAL R-Y LEVEL

Note : Be sure to set ACC in the ON position before this adjustment.

- 1) Input a PAL color bar.
- 2) Connect the probe of an oscilloscope to IC404 ④⑩PIN or TP401.
- 3) Set the unit in the service mode.
- 4) Adjust **R-Y LEVEL PAL** so that the peaks of waveforms will be flush with each other as shown Fig.5-20.

IC404 ④⑩PIN

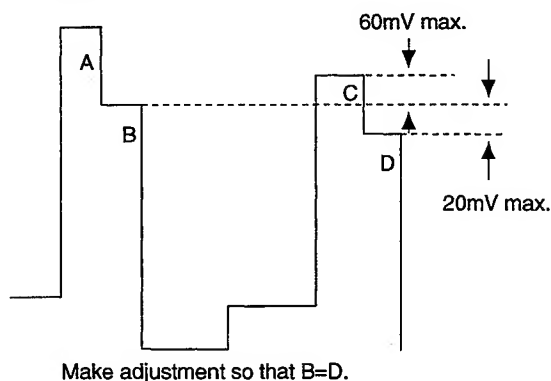


Fig. 5-20

8. W/B plunge correction

8-1. Adjustment of NTSC composite

- 1) Input the 525 all white (with burst) cut-off signal to LINE A.
 - 2) Select LINE A input.
 - 3) Adjust the brightness becomes 3 cd/m² with CONT and BRT VR.
 - 4) Turn CHROMA VR to MIN, and measure the color temperature.
 - 5) Turn CHROMA VR to MAX, and make adjustment with **NTSCB-Y** and **NTSCR-Y** so that the color temperature will be the same as the value measured in item 4).
- Standard adjustment: The difference should be within 2 JND when CHROMA MIN → MAX .

8-2. Adjustment of PAL composite

- 1) Input the 625 all white (with burst) cut-off signal.
 - 2) Repeat the operations 8-1. 2), 3), and 4).
 - 3) Turn CHROMA VR to MAX, and make adjustment with **PALB-Y** and **PALR-Y** so that the color temperature will be the same as the value measured in item 4).
- Standard adjustment: The difference should be within 2 JND when CHROMA MIN → MAX .

8-3. Adjustment of COMPONENT

- 1) Input the 525 all white cut-off signal to RGB A CH Y.
NTSC all white (with burst) may be input.
 - 2) Select COMPONENT A CH.
 - 3) Repeat the operations 8-1. 3) and 4).
 - 4) Turn CHROMA VR to MAX, and make adjustment with **COMPONENT A B-Y** and **COMPONENT A R-Y** so that the color temperature will be the same as the value measured in item 4).
- Standard adjustment: The difference should be within 2 JND when CHROMA MIN → MAX .
- 5) Input the 525 all white cut-off signal to RGB CH Y.
NTSC all white (with burst) may be input.
 - 6) Select COMPONENT B CH
 - 7) Repeat the operations 8-1. 3) and 4).
 - 8) Turn CHROMA VR to MAX, and make adjustment with **COMPONENT B B-Y** and **COMPONENT B R-Y** so that the color temperature will be the same as the value measured in item 4).
- Standard adjustment: The difference should be within 2 JND when CHROMA MIN → MAX .

9. Adjustment of SUB CONT

- 1) Input the window signal.
- 2) Enter the Normal mode.
- 3) Attach a luminance meter to the window of the CRT surface.
- 4) Make adjustment so that the values will be as shown in Table 5-7 with SUB CON <NORM>.
- 5) Enter the O/S mode.
- 6) Make adjustment so that the values will be as shown in Table 5-7 with SUB CON <O/S>.

Table 5-7 Unit (cd/m²)

| | 14 inch | 20 inch |
|-------------------|---------|---------|
| SUB CON <NORM> | 170±20 | 150±20 |
| SUB CON <O/S> | 170±20 | 150±20 |

10. Fine adjustment of CONT/BRT level of each input

When the same signal is input to each input terminal, the CONT/BRT level may change slightly. In that case, fine adjustment of CONTRAST/BRIGHTNESS can be made for each input terminal.

11. Writing the result of adjustment

Write the result of adjustment in the memory.

5-2. G AND GA BOARDS ADJUSTMENT

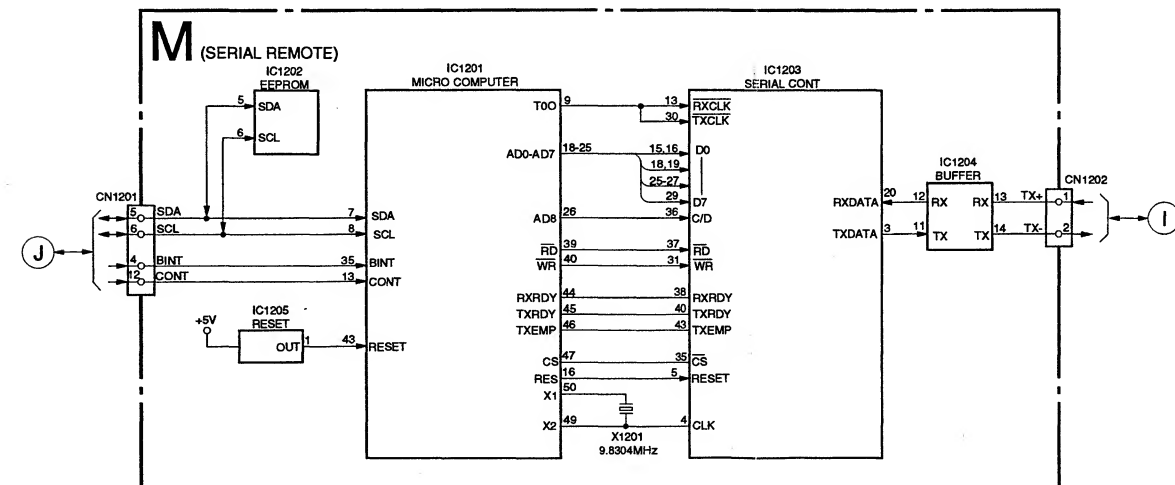
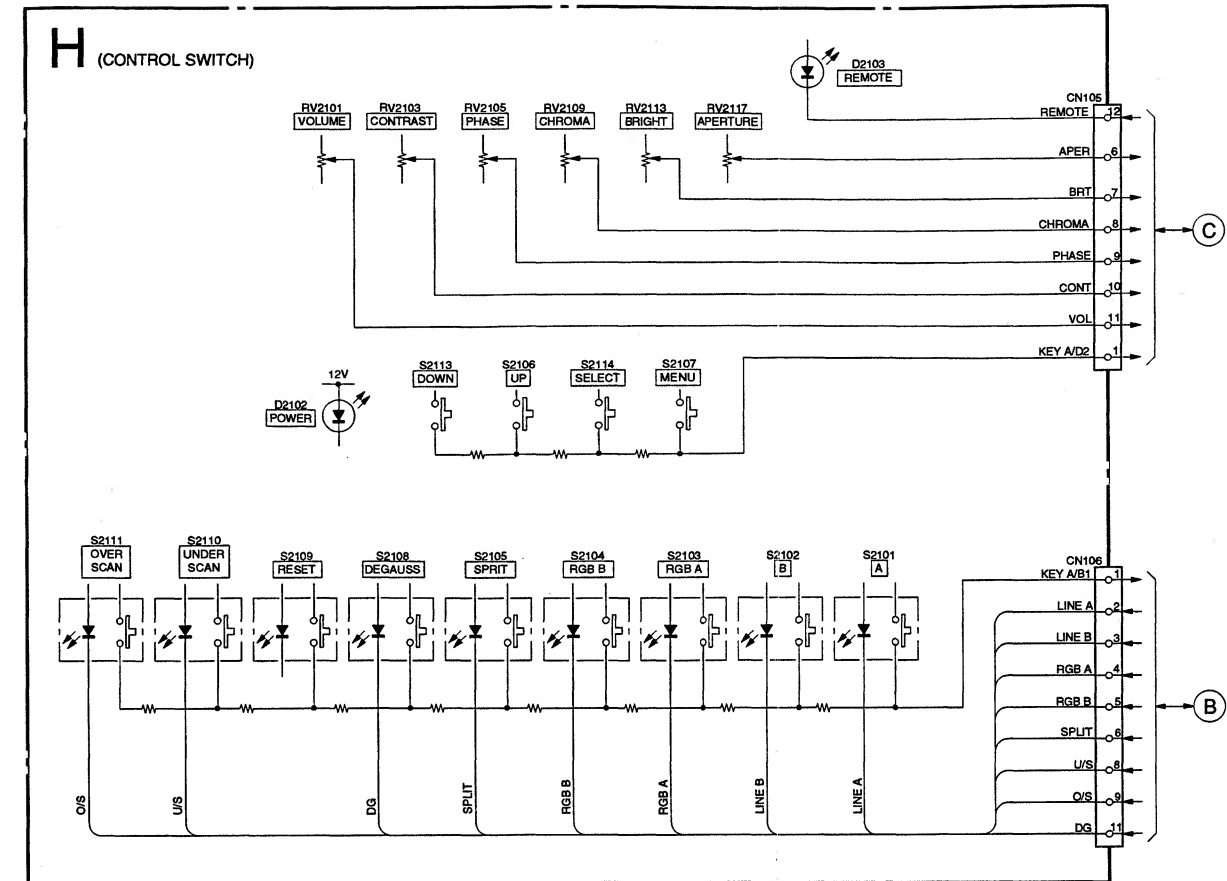
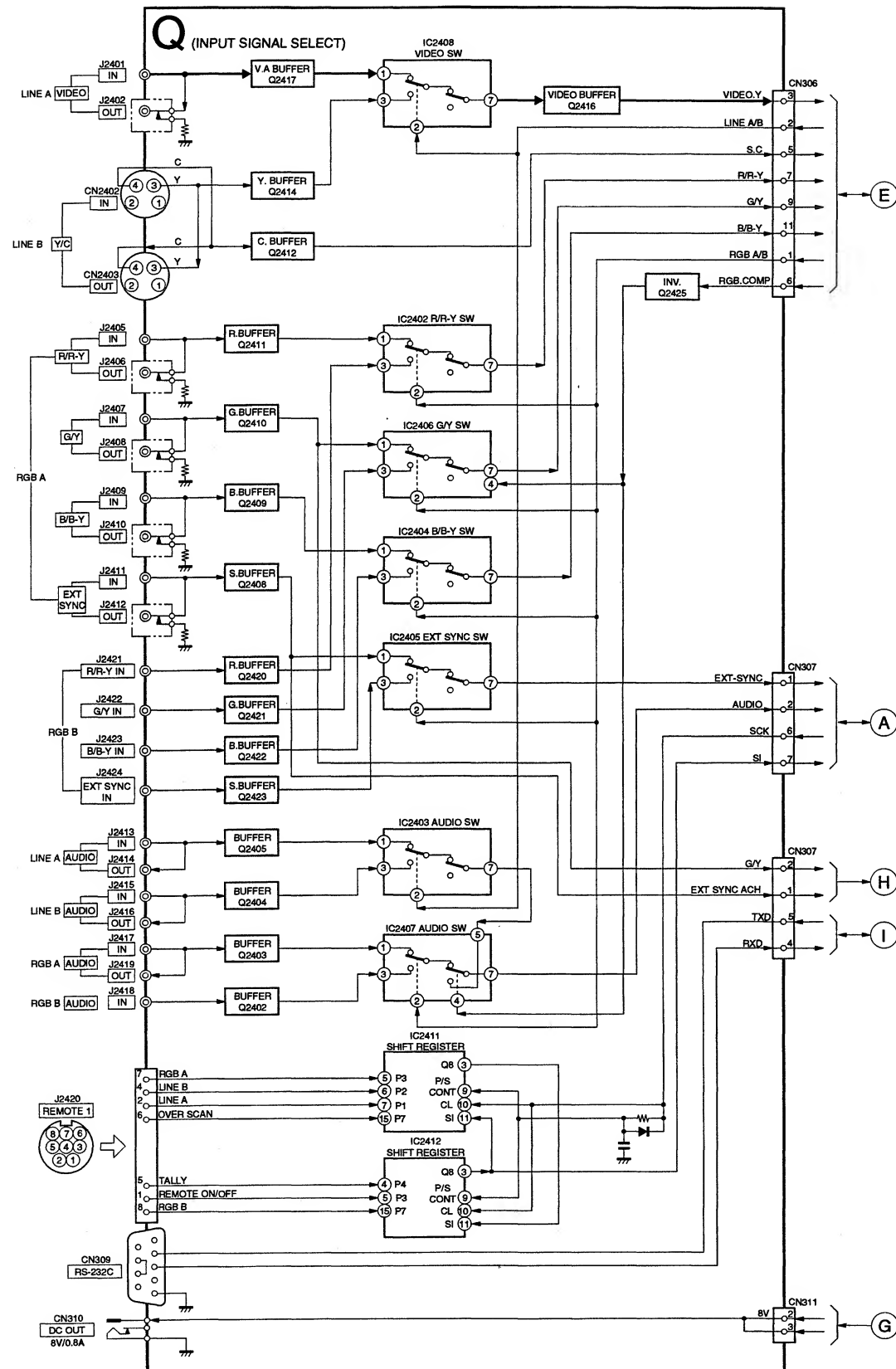
1. Checking the output lines

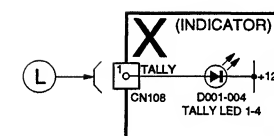
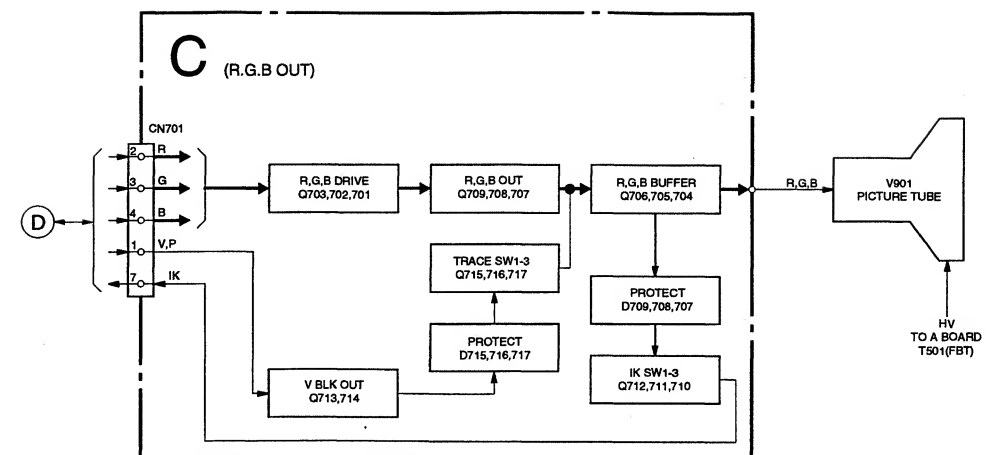
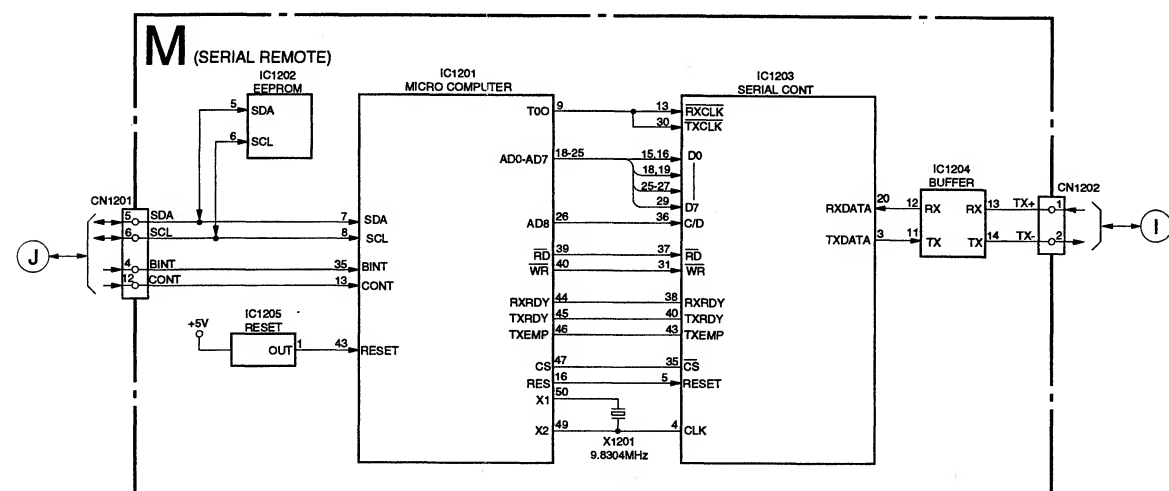
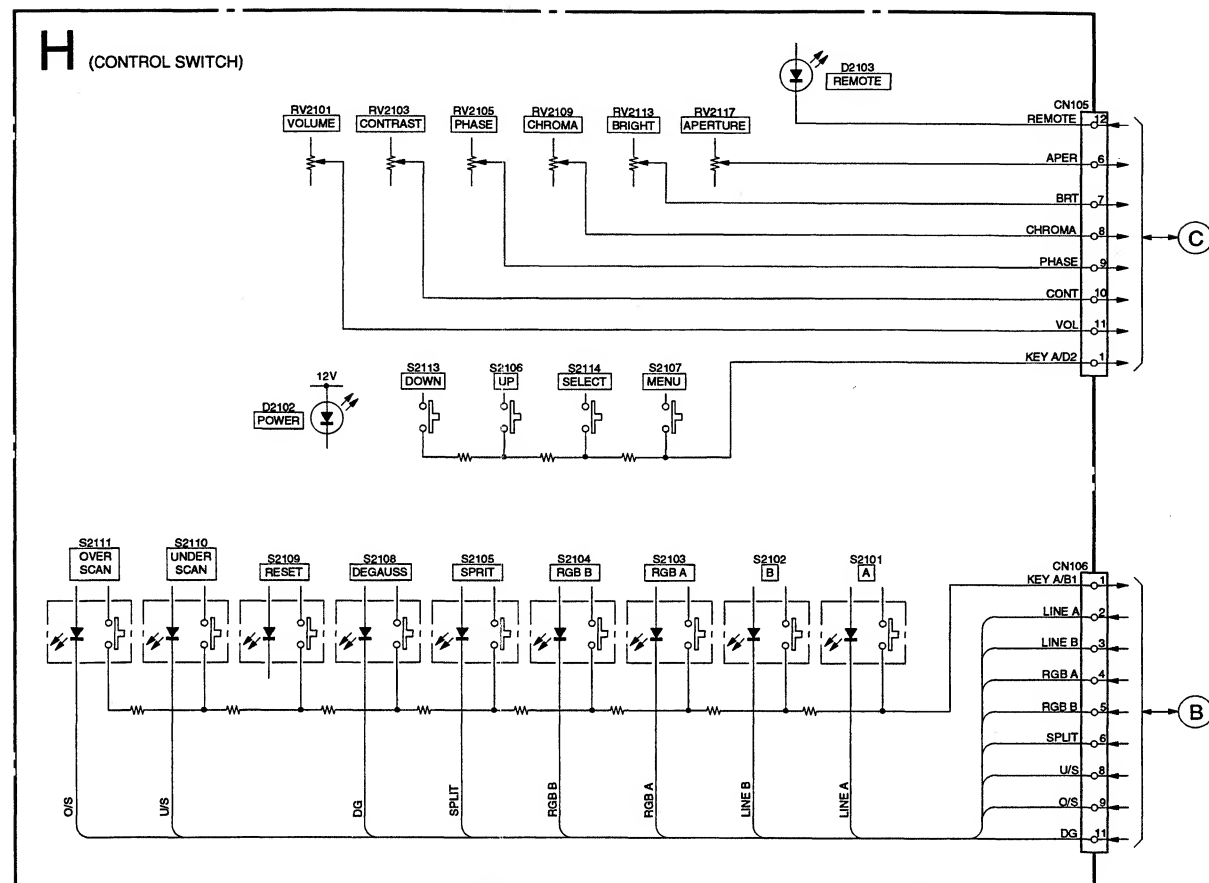
Checking that the output lines meet the standards below.

| | | |
|---------|-------|---------------|
| G Board | 15V | 14.7 ± 0.7V |
| | 5V(A) | 5.0 ± 0.4V |
| | - 15V | - 15.9 ± 1.0V |

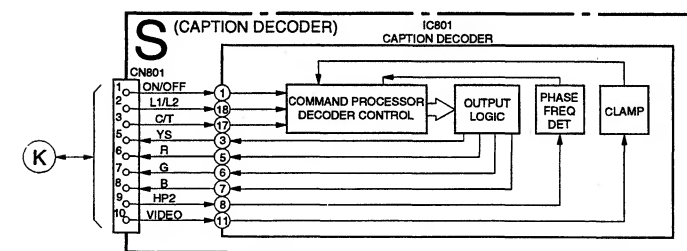
| | | |
|----------|----|---------------------------------------|
| GA Board | 8V | 8.0 ± _{0.6} ^{0.3} V |
|----------|----|---------------------------------------|

6-1. BLOCK DIAGRAMS

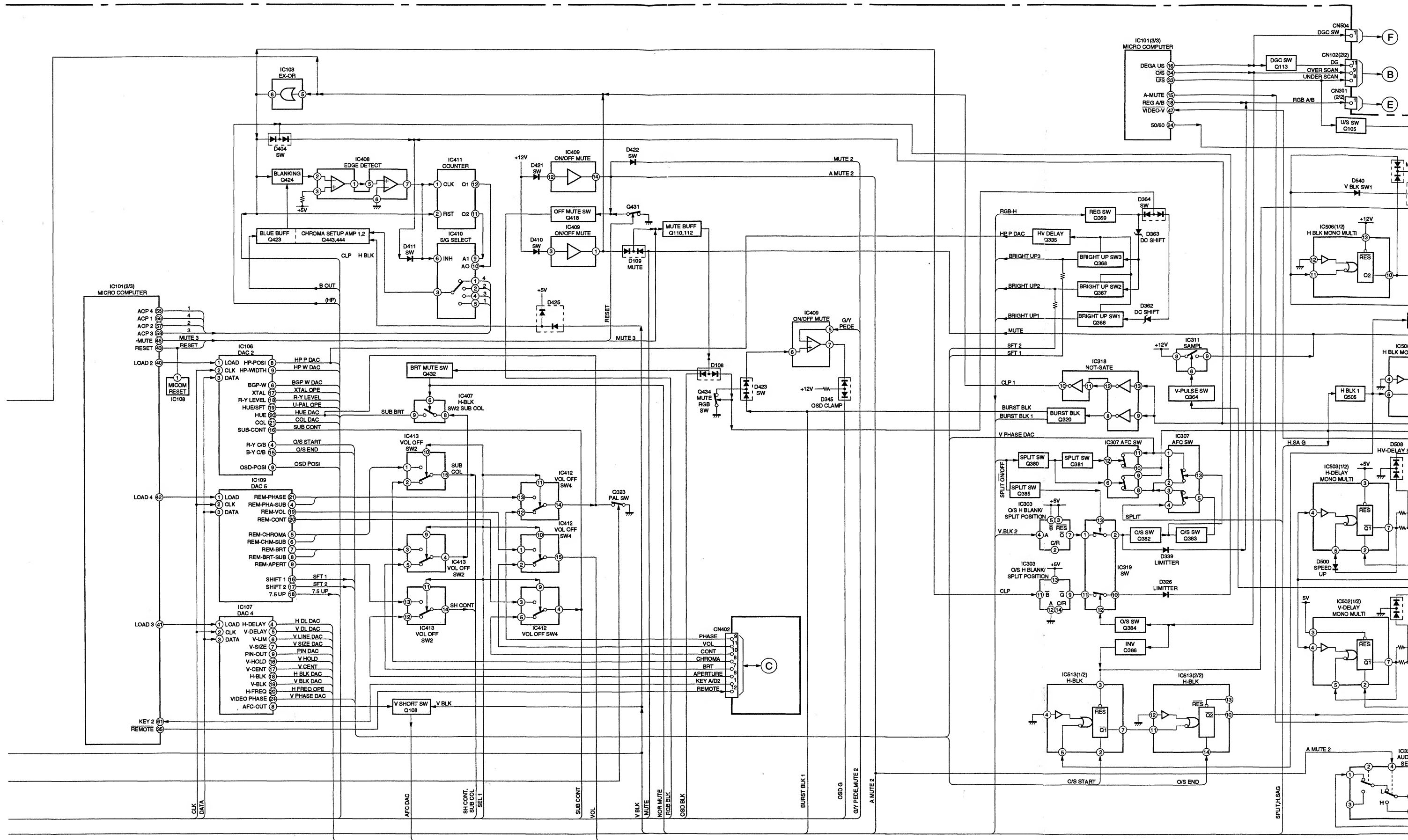


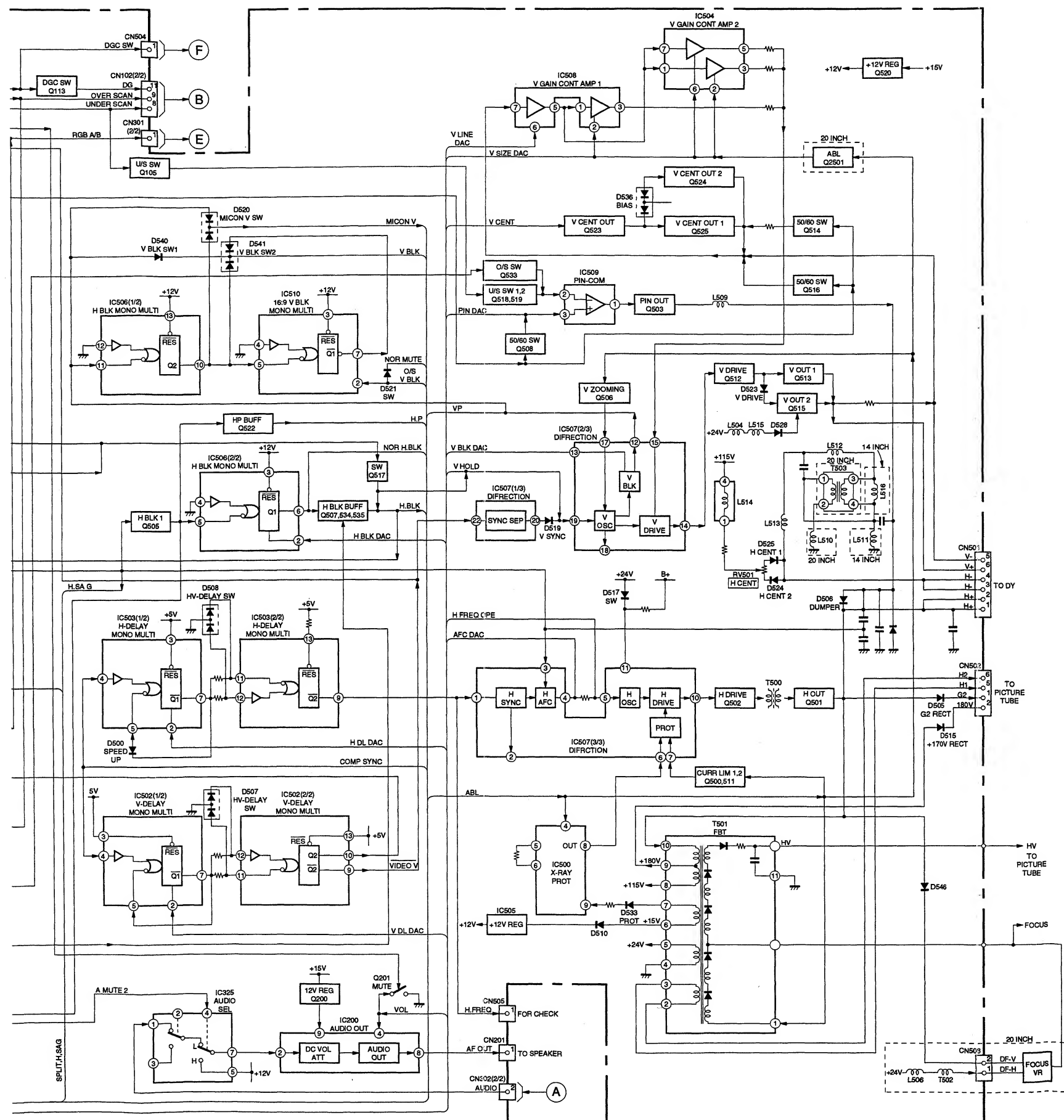


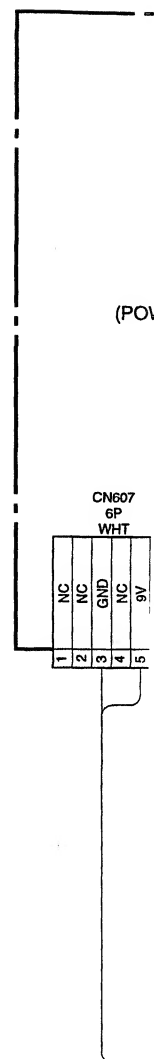
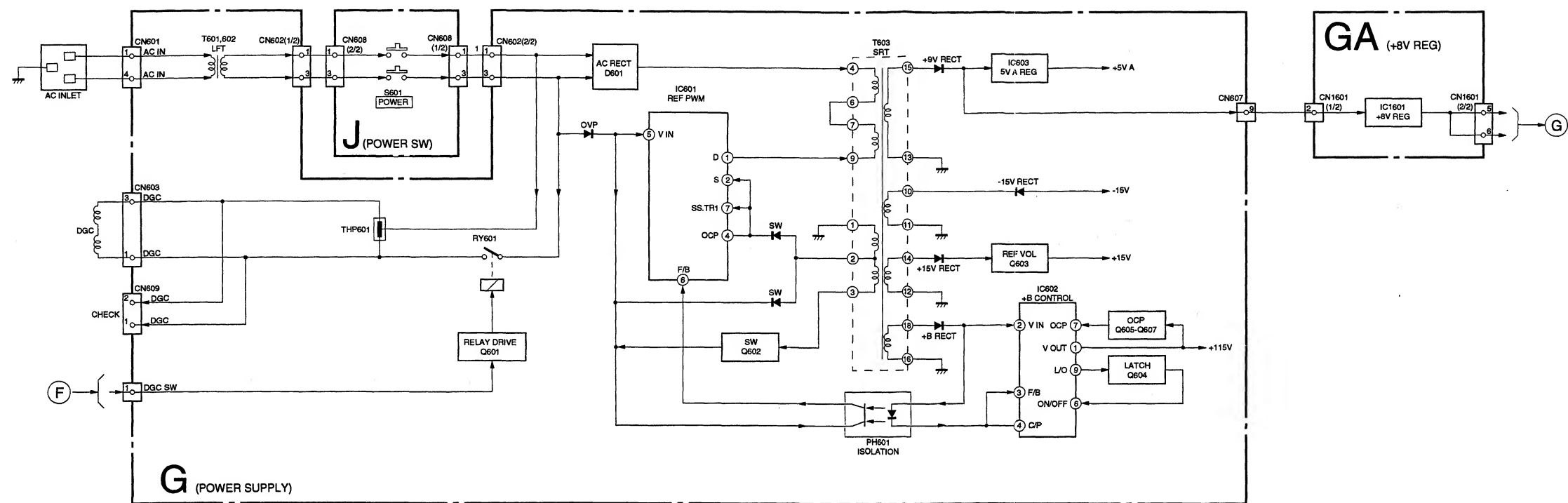
U/C MODEL ONLY



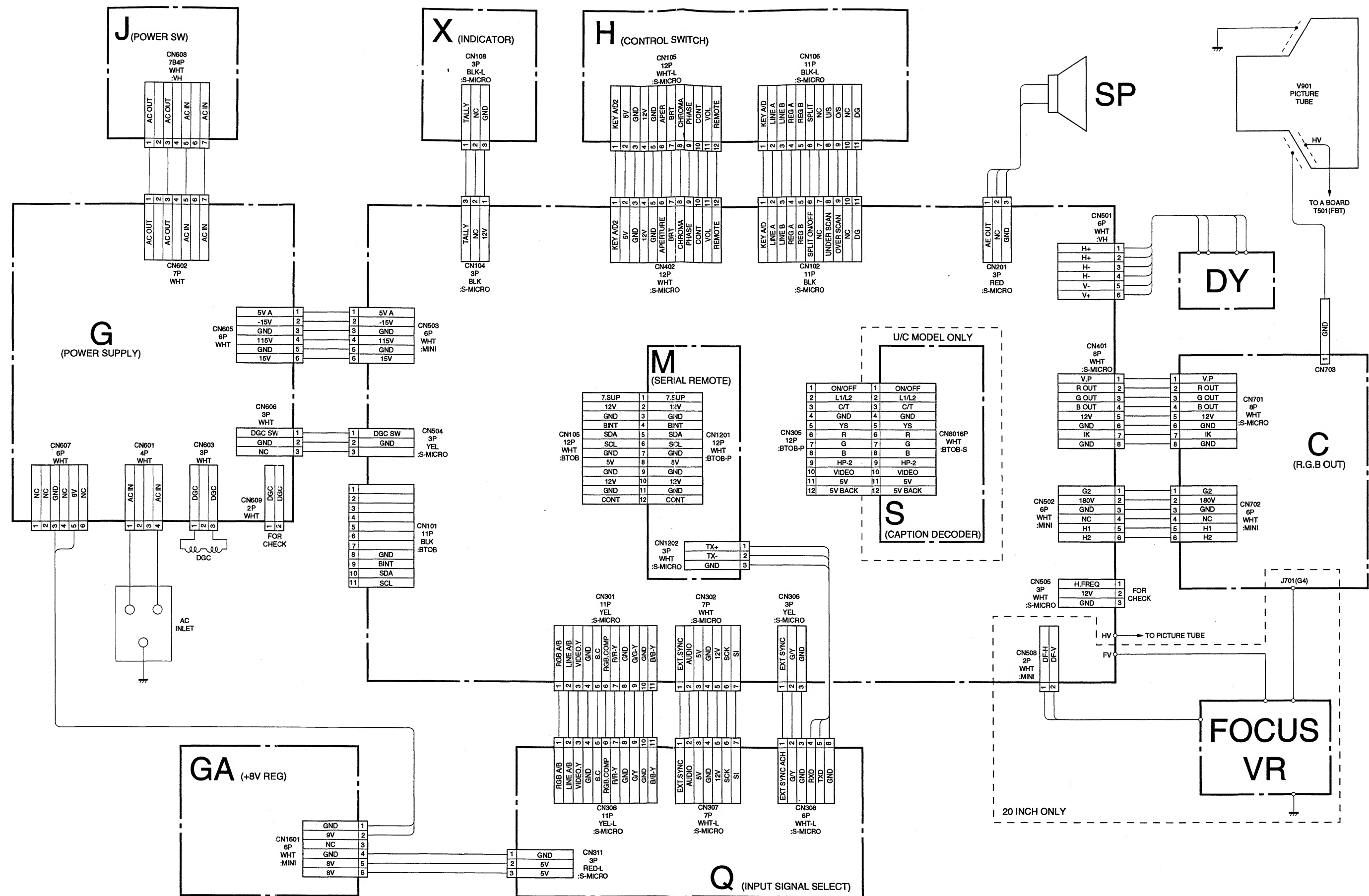




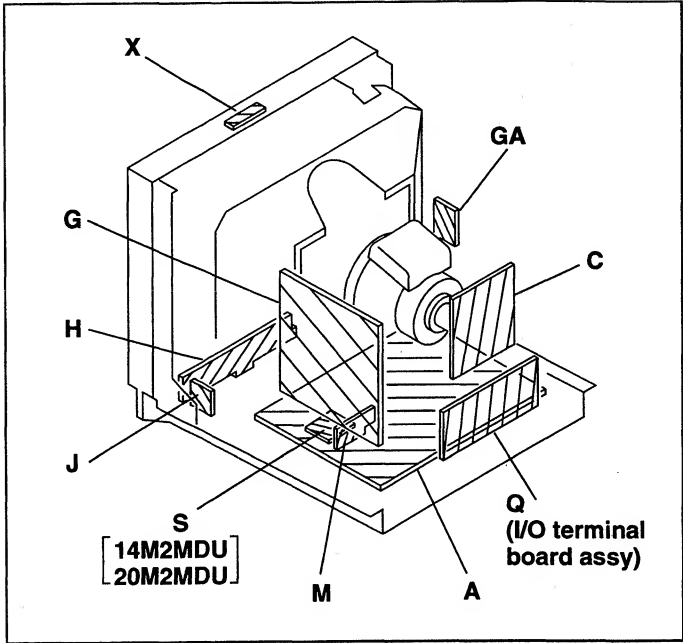




6-2. FRAME SCHEMATIC DIAGRAM



6-3. CIRCUIT BOARDS LOCATION



6-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

- Note:
- All capacitors are in μF unless otherwise noted. pF : $\mu\mu\text{F}$
 - Capacitors without voltage indication are all 50V.
 - All resistors are in ohms, 1/4W in resistance, 1/10W in chip resistance.
 $\text{k}\Omega = 1000\Omega$, $\text{M}\Omega = 1000\text{k}\Omega$
 - : nonflammable resistor.
 - : fusible resistor.
 - : internal component.
 - : panel designation and adjustment for repair.
 - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
 - # marked in these schematic diagrams signifies not mounted.
 - The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
Should replacement be required, replace only with the value originally used.
 - When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved.
(Refer to R1536 adjustment on Page 4-1)
 - When replacing the part in below table, be sure to perform the related adjustment.

| Part replaced () | Adjustment () |
|---|-------------------|
| C512, C513, C523, C549, C592, D501, D533, IC500, IC507, Q500, Q511, R506, R508, R515, R516, R517, R518, R519, R551, R1536, R1537, R1560 (A BOARD) | R1536 (HOLD-DOWN) |

- Voltage value is the reference value between it and the earth, when color bar signal is received from color bar generator (digital multi-meter used : 10M ohms/V DC).
- Unit of voltage values is V (volt).
- No mark : with PAL color-bar signal received or common voltage.
- For the respective voltage ratings in NTSC 3.58, NTSC 4.43, S-VIDEO, and ANALOG RGB modes, see the table.
- : B + line, B - line.
(Actual measured value may be different).
- Circled numbers are waveform references.
- : Signal Path.

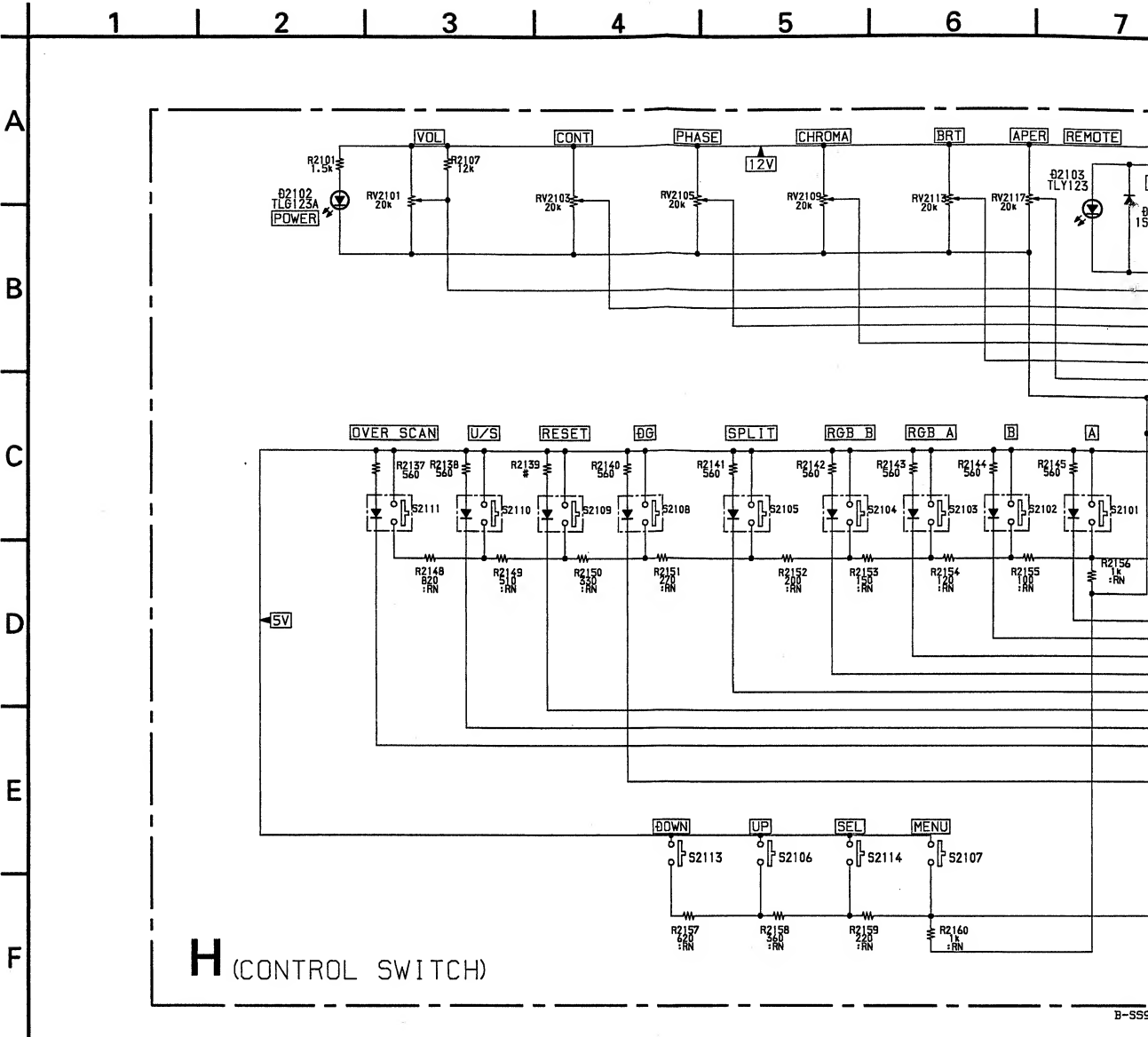
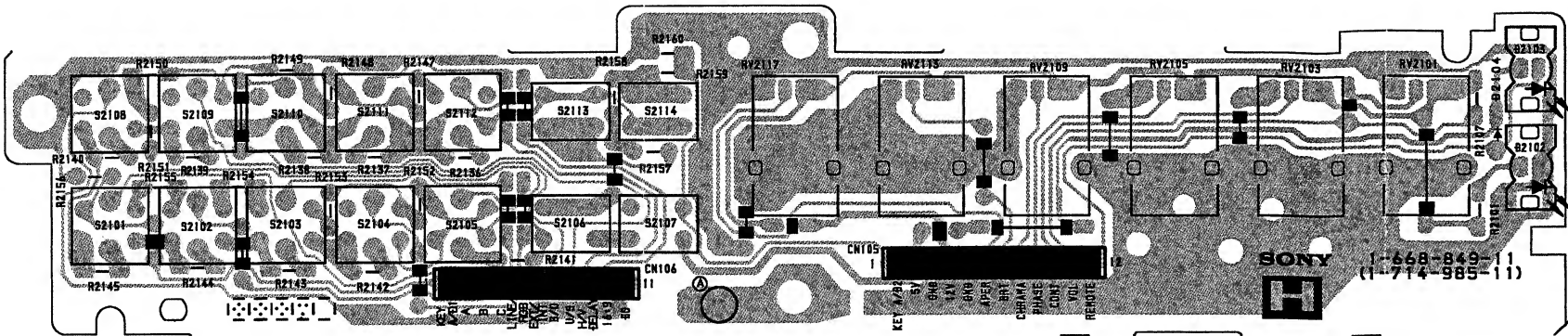
| | | |
|-----------------------|---------|--------------------------|
| Reference information | | |
| RESISTOR | : RN | METAL FILM |
| | : RC | SOLID |
| | : FPRD | NONFRAMMABLE CARBON |
| | : FUSE | NONFLAMMABLE FUSIBLE |
| | : RS | NONFLAMMABLE METAL OXIDE |
| | : RB | NONFLAMMABLE CEMENT |
| | : RW | NONFLAMMABLE WIREWOUND |
| | : ※ | ADJUSTMENT RESISTOR |
| COIL | : LF-8L | MICRO INDUCTOR |
| CAPACITOR | : TA | TANTALUM |
| | : PS | STYROL |
| | : PP | POLYPROPYLENE |
| | : PT | MYLAR |
| | : MPS | METALIZED POLYESTER |
| | : MPP | METALIZED POLYPROPYLENE |
| | : ALB | BIPOLAR |
| | : ALT | HIGH TEMPERATURE |
| | : ALR | HIGH RIPPLE |

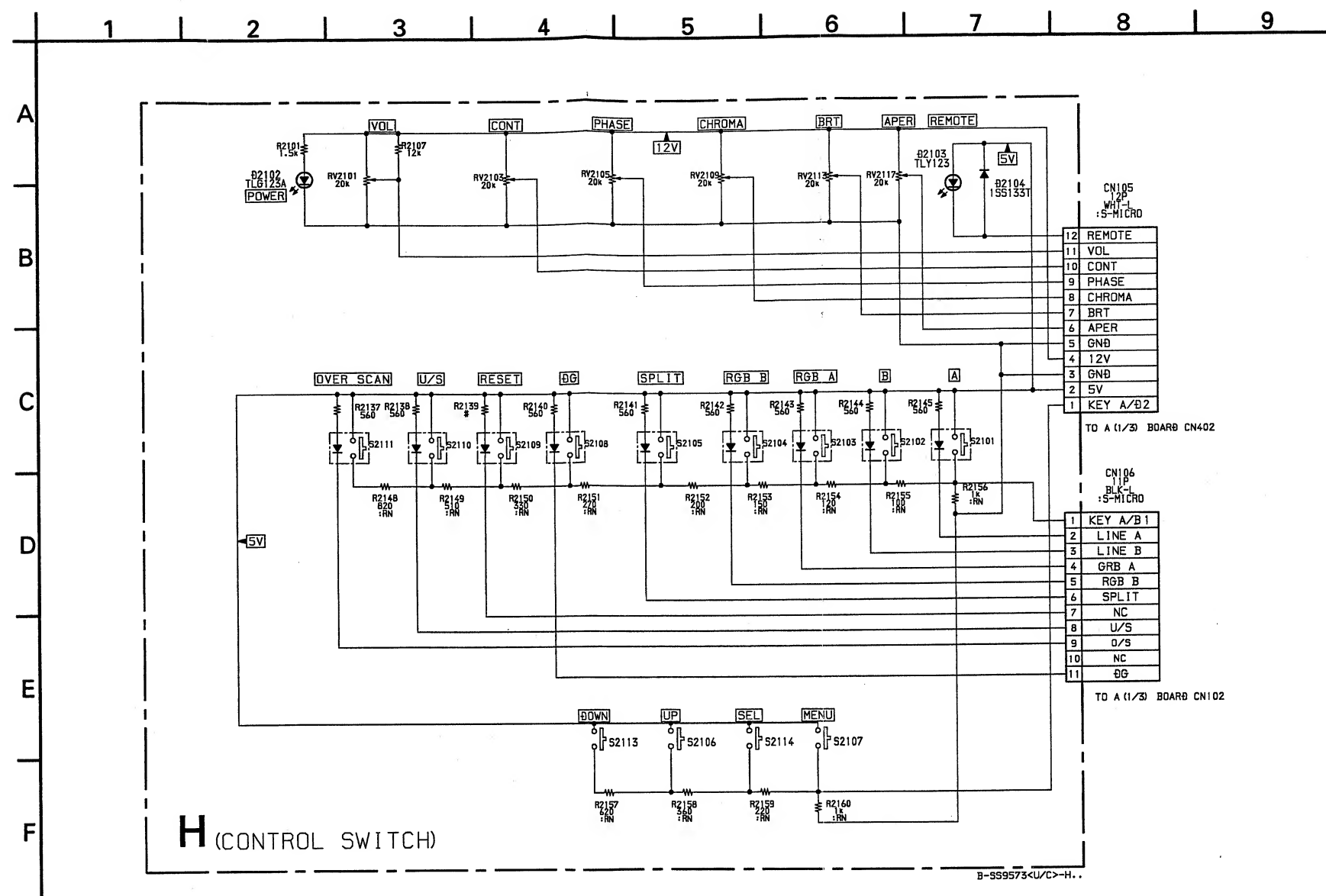
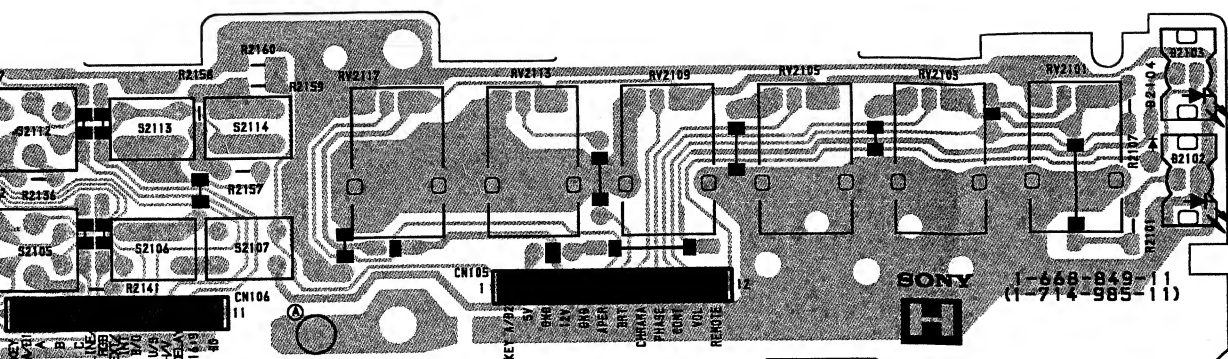
Note: The component identified by shading and mark are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et une marque sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

H [CONTROL SWITCH]

- H BOARD -





A

MICON, RGB-MATRIX, DAC,
ON SCREEN DISPLAY, ON/OFF-MUTE,
VOL OFF SW, RGB SW

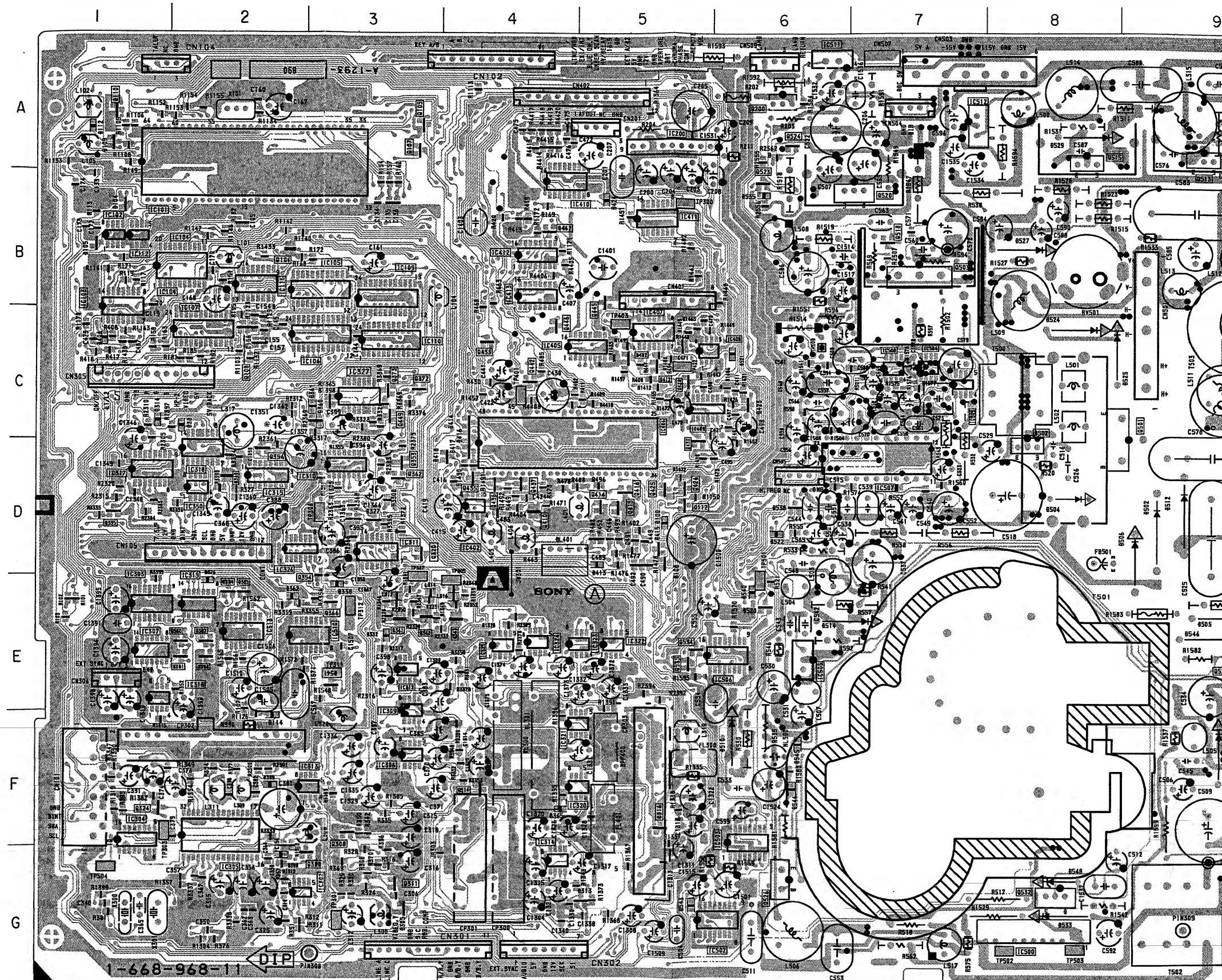
CHROMA DEMOD, SYSTEM SW,
SYNC SELECT, B/B-Y SW, R/R-Y SW,
G/Y SW, AUDIO SELECT, HOLD AMP

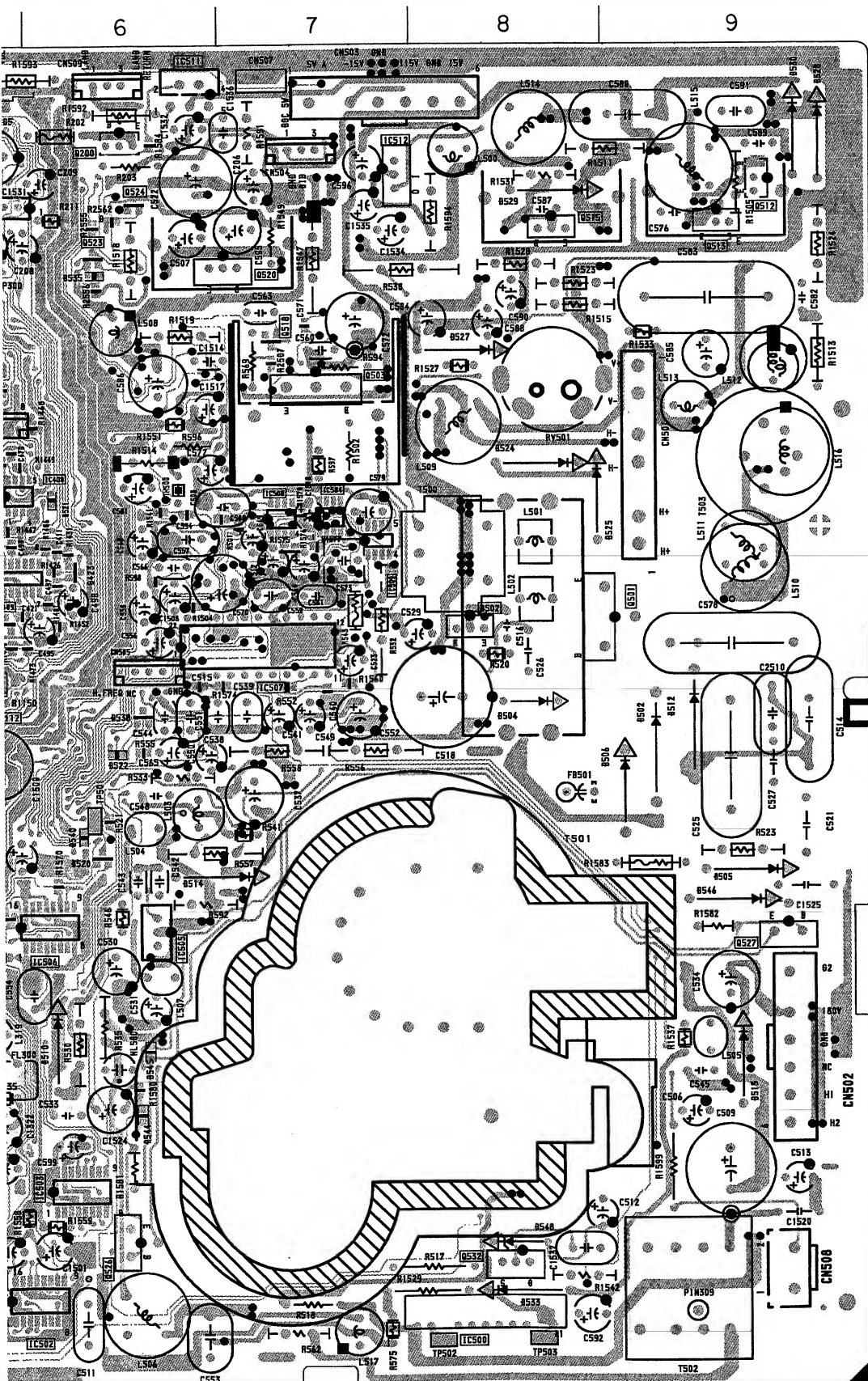
H/V OUT, DEFLECTIN SYSTEM,
AUDIO OUT

- A BOARD - <A Side>

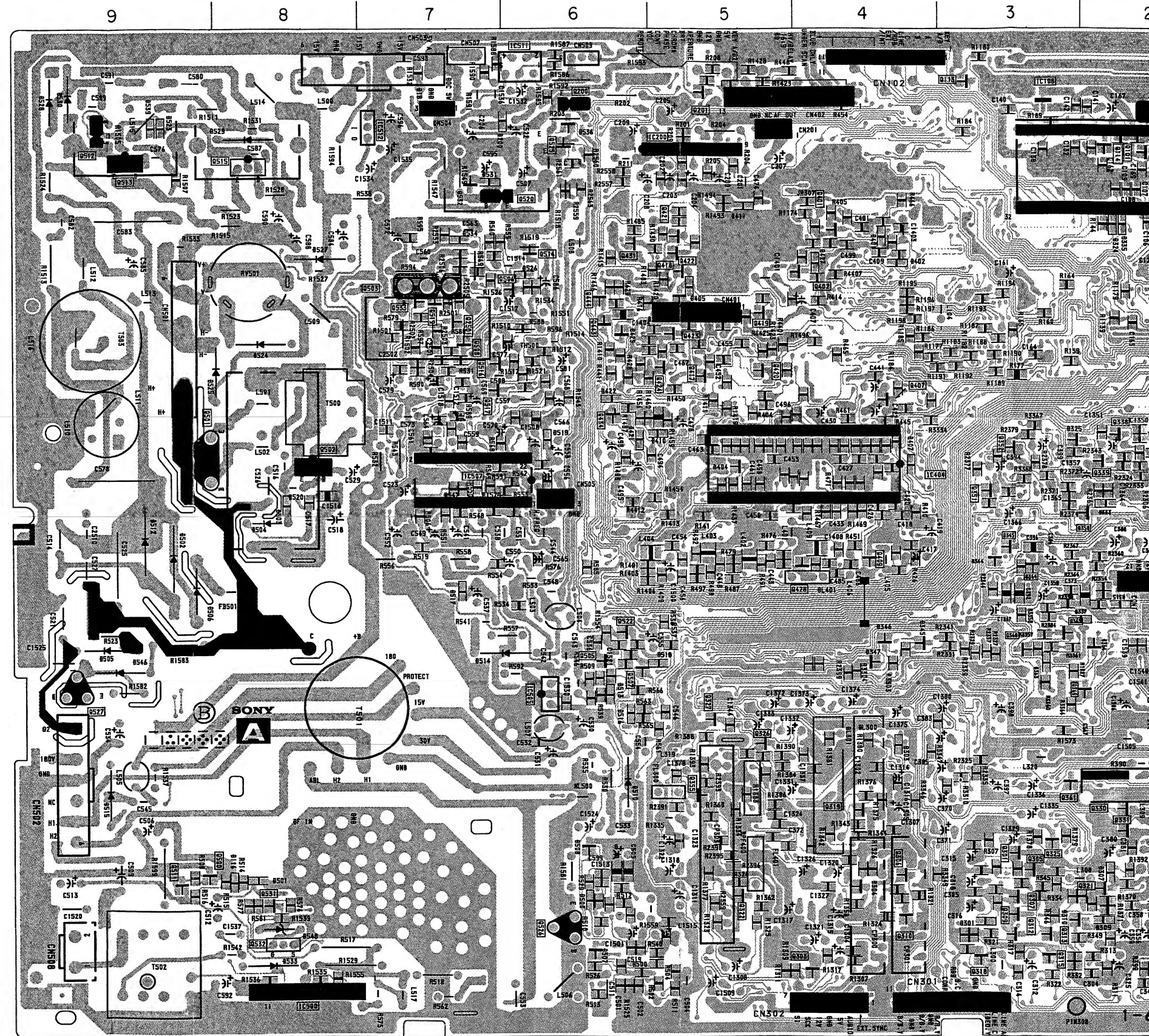
A BOARD
(A SIDE)

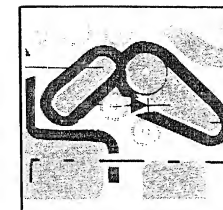
| IC | TRANSISTOR | Q524 Q534 Q535 | A-6 E-5 E-5 |
|-------|------------|--------------------------|-------------------|
| IC101 | A-2 | Q104 | B-2 |
| IC102 | B-1 | Q105 | A-3 |
| IC103 | C-1 | Q107 | A-3 |
| IC104 | B-2 | Q108 | C-2 |
| IC105 | B-3 | Q110 | A-1 |
| IC106 | C-3 | Q112 | D-6 |
| IC107 | C-2 | Q200 | A-6 |
| IC109 | B-3 | Q300 | G-3 |
| IC110 | C-3 | Q308 | F-3 |
| IC111 | B-2 | Q311 | G-3 |
| IC112 | B-1 | Q314 | F-4 |
| IC200 | A-5 | Q316 | F-5 |
| IC302 | G-3 | Q320 | D-3 |
| IC303 | E-1 | Q324 | F-1 |
| IC304 | F-1 | Q335 | D-1 |
| IC305 | F-2 | Q341 | E-3 |
| IC306 | F-3 | Q342 | F-3 |
| IC307 | E-1 | Q343 | E-4 |
| IC309 | F-3 | Q353 | D-3 |
| IC310 | D-3 | Q354 | E-3 |
| IC311 | D-3 | Q356 | D-2 |
| IC312 | F-3 | Q360 | D-2 |
| IC313 | F-2 | Q362 | D-3 |
| IC314 | G-4 | Q366 | F-3 |
| IC315 | D-2 | Q372 | C-3 |
| IC316 | E-1 | Q373 | C-3 |
| IC317 | D-1 | Q380 | F-2 |
| IC318 | D-2 | Q381 | E-2 |
| IC319 | E-2 | Q382 | F-2 |
| IC320 | F-5 | Q383 | F-2 |
| IC321 | F-5 | Q384 | E-2 |
| IC322 | F-5 | Q385 | F-2 |
| IC323 | E-5 | Q410 | D-4 |
| IC324 | E-4 | Q412 | C-5 |
| IC325 | E-4 | Q414 | D-5 |
| IC326 | D-2 | Q415 | D-5 |
| IC327 | C-3 | Q416 | D-5 |
| IC350 | D-2 | Q425 | D-5 |
| IC402 | D-4 | Q426 | D-5 |
| IC404 | D-4 | Q429 | C-5 |
| IC405 | C-5 | Q430 | D-5 |
| IC407 | C-5 | Q432 | C-5 |
| IC408 | C-6 | Q433 | C-4 |
| IC409 | C-5 | Q435 | D-4 |
| IC410 | B-4 | Q436 | D-4 |
| IC411 | B-5 | Q437 | D-4 |
| IC412 | B-4 | Q442 | C-4 |
| IC413 | B-4 | Q445 | C-5 |
| IC500 | G-8 | Q446 | C-4 |
| IC502 | G-6 | Q447 | B-4 |
| IC503 | F-6 | Q449 | C-3 |
| IC504 | C-7 | Q501 | C-9 |
| IC505 | E-6 | Q502 | D-8 |
| IC506 | E-6 | Q503 | B-7 |
| IC507 | D-7 | Q512 | A-9 |
| IC508 | C-7 | Q513 | A-9 |
| IC509 | C-7 | Q515 | A-8 |
| IC510 | E-3 | Q518 | B-7 |
| IC513 | E-2 | Q520 | B-7 |
| | | Q523 | B-6 |
| | | DIODE | |
| | | D100 | D-5 |
| | | D104 | B-1 |
| | | D105 | B-1 |
| | | D108 | D-5 |
| | | D109 | A-1 |
| | | D114 | F-2 |
| | | D300 | C-2 |
| | | D301 | D-2 |
| | | D305 | G-3 |
| | | D308 | F-2 |
| | | D313 | C-5 |
| | | D314 | C-1 |
| | | D326 | E-2 |
| | | D327 | D-3 |
| | | D332 | F-3 |
| | | D338 | F-3 |
| | | D360 | C-3 |
| | | D361 | C-3 |
| | | D362 | F-2 |
| | | D365 | F-4 |
| | | D381 | C-2 |
| | | D406 | C-1 |
| | | D414 | C-4 |
| | | D415 | D-5 |
| | | D416 | D-4 |
| | | D417 | D-4 |
| | | D418 | D-4 |
| | | D423 | C-6 |
| | | D424 | B-5 |
| | | D502 | D-9 |
| | | D504 | D-8 |
| | | D505 | F-9 |
| | | D506 | D-9 |
| | | D510 | F-6 |
| | | D512 | D-9 |
| | | D514 | E-7 |
| | | D515 | F-9 |
| | | D520 | E-6 |
| | | D521 | C-6 |
| | | D522 | D-6 |
| | | D524 | C-8 |
| | | D525 | C-9 |
| | | D527 | B-8 |
| | | D528 | A-9 |
| | | D529 | A-8 |
| | | D530 | A-9 |
| | | D533 | G-8 |
| | | D535 | B-6 |
| | | D538 | D-6 |
| | | D540 | E-6 |
| | | D541 | F-3 |
| | | D543 | G-5 |
| | | VARIABLE RESISTOR | |
| | | RV501 | B-8 |





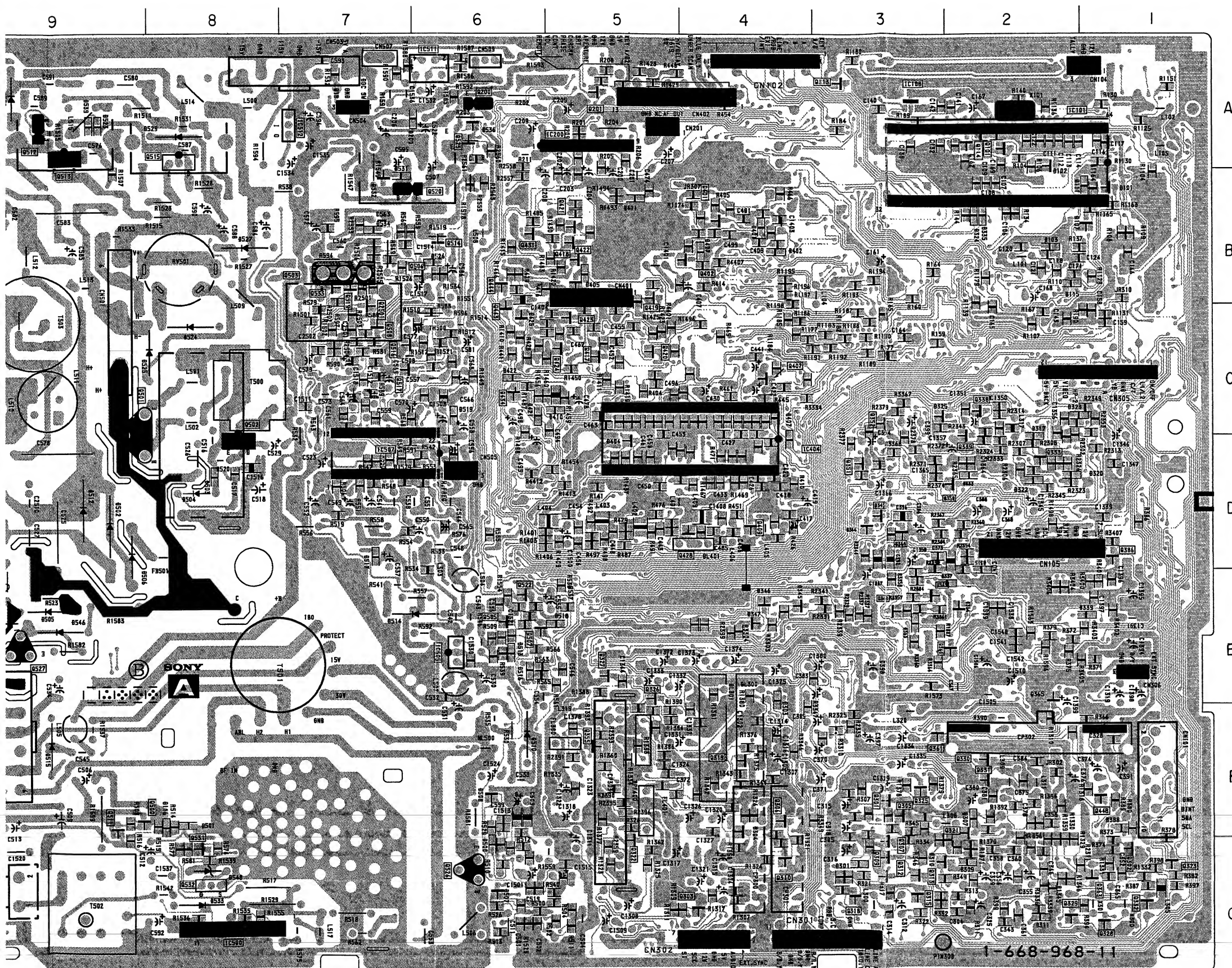
<B Side>





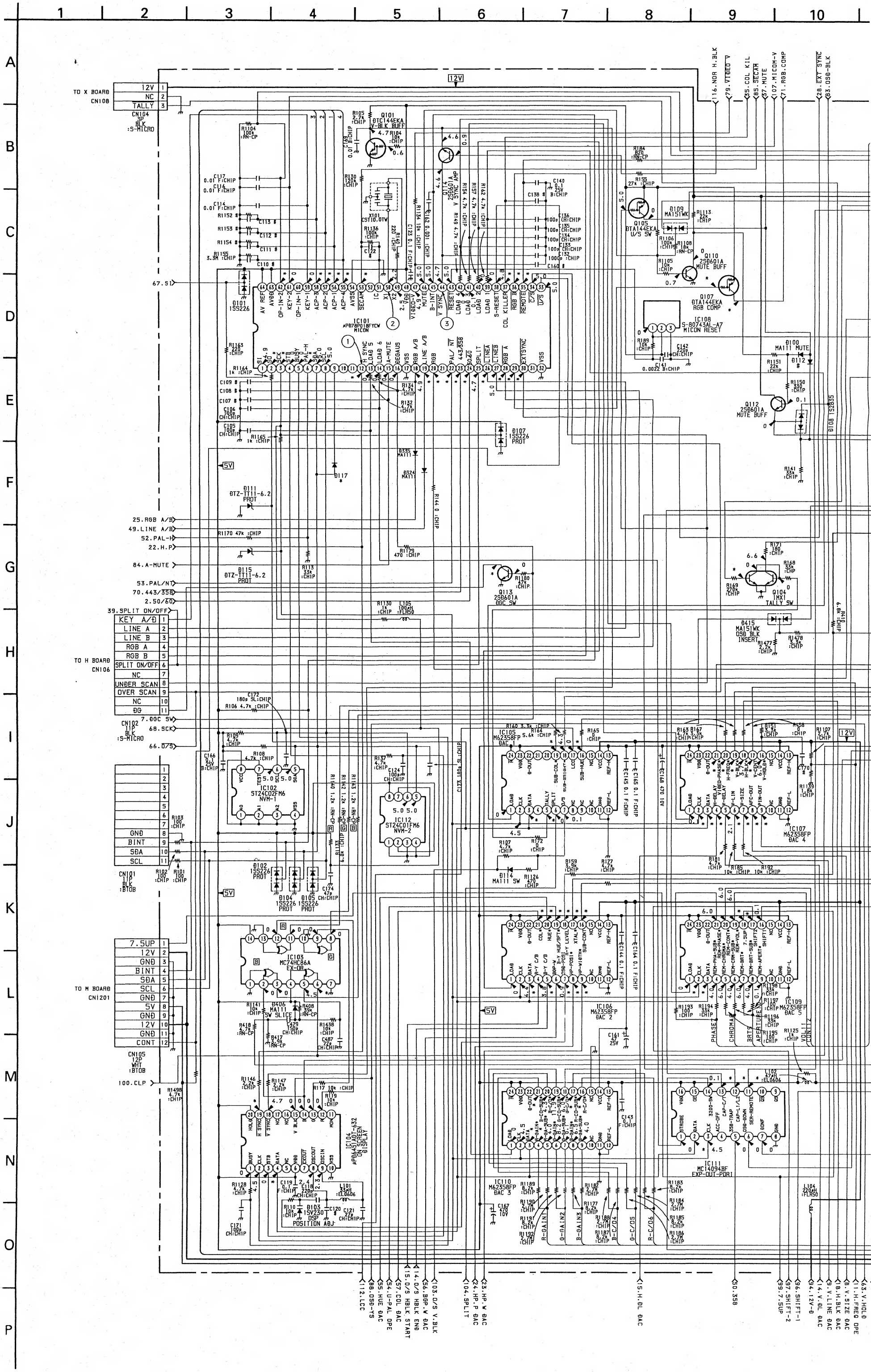
NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

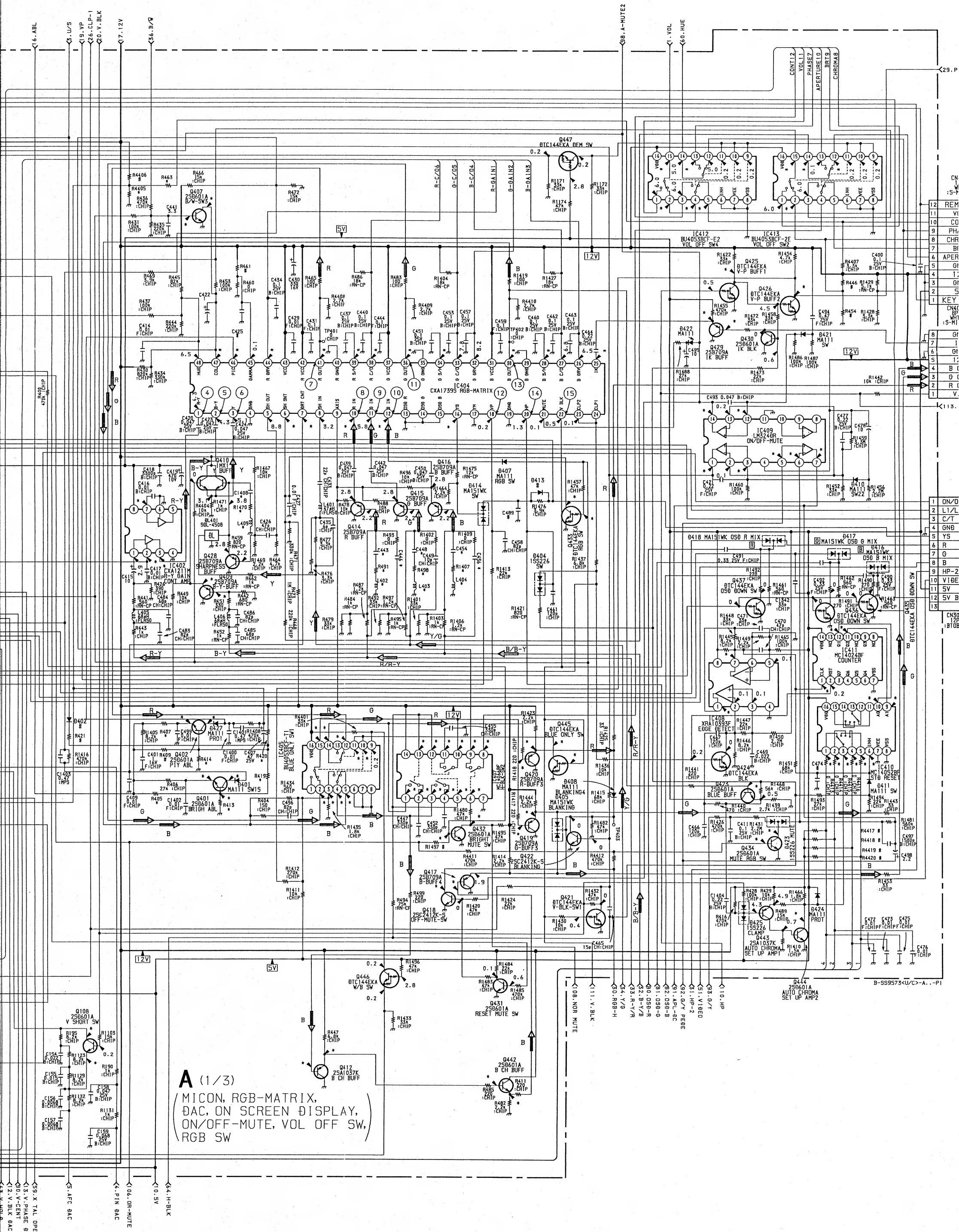


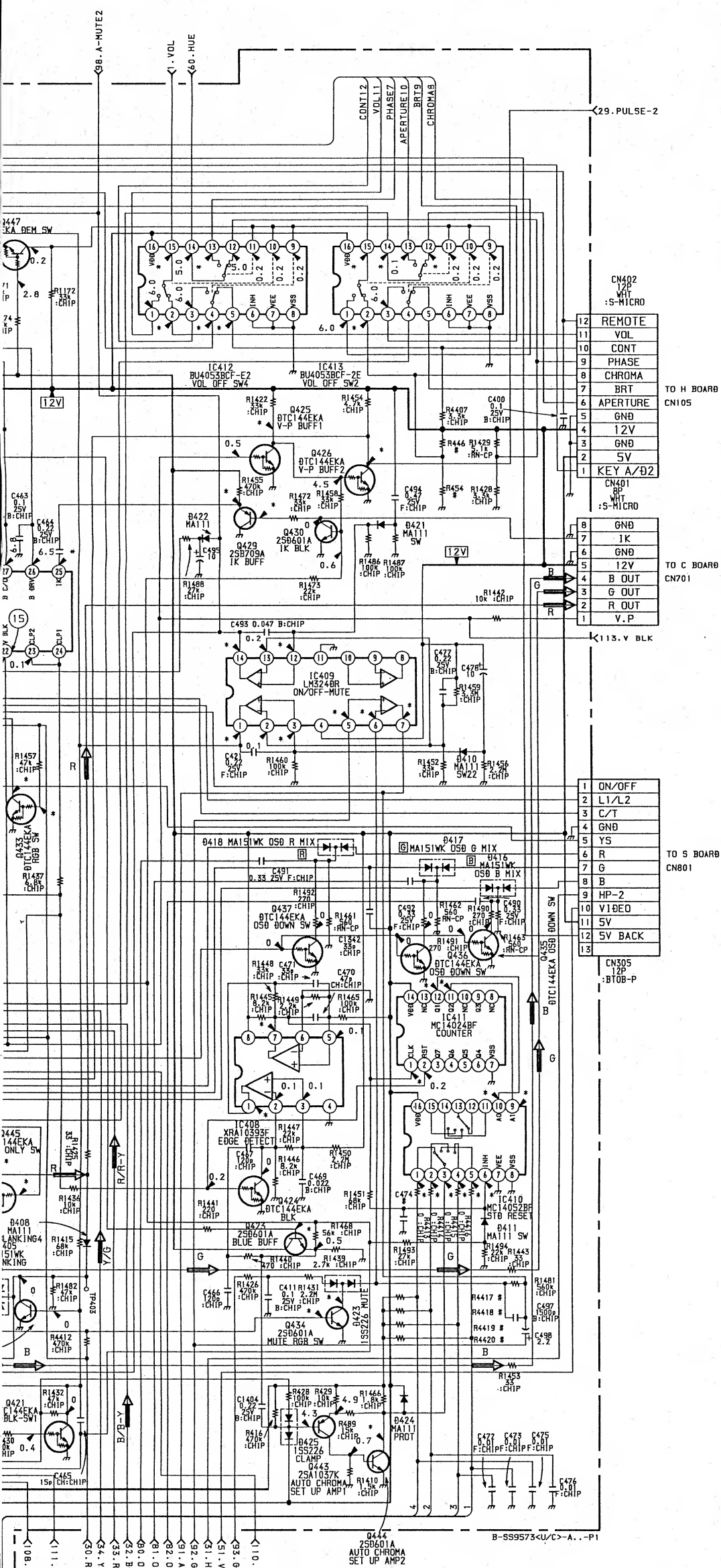
**A BOARD
(B SIDE)**

| IC | | Q407 | C-4 | D324 | B-2 |
|-------------------|-----|-------|-----|------|-----|
| IC101 | A-2 | Q409 | D-4 | D325 | C-3 |
| IC108 | A-3 | Q417 | C-5 | D333 | D-2 |
| IC200 | A-5 | Q418 | B-5 | D335 | B-2 |
| IC404 | D-4 | Q419 | C-5 | D337 | E-2 |
| IC500 | G-8 | Q420 | C-5 | D339 | E-1 |
| IC505 | E-6 | Q421 | B-5 | D344 | D-3 |
| IC507 | D-7 | Q422 | B-5 | D345 | E-4 |
| TRANSISTOR | | Q423 | C-5 | D346 | E-4 |
| | | Q424 | C-5 | D347 | E-4 |
| | | Q428 | D-4 | D363 | E-3 |
| | | Q431 | B-6 | D364 | E-2 |
| | | Q434 | C-6 | D401 | B-4 |
| | | Q443 | C-6 | D404 | D-5 |
| | | Q444 | B-6 | D405 | B-5 |
| | | Q448 | F-1 | D407 | D-4 |
| | | Q500 | F-9 | D410 | C-5 |
| | | Q501 | C-9 | D411 | B-5 |
| | | Q502 | D-8 | D421 | C-6 |
| | | Q503 | B-7 | D422 | C-6 |
| | | Q505 | E-6 | D425 | C-6 |
| | | Q506 | B-6 | D427 | B-4 |
| | | Q507 | E-6 | D500 | G-6 |
| | | Q508 | C-7 | D501 | F-8 |
| | | Q511 | F-9 | D502 | D-9 |
| | | Q512 | A-9 | D503 | D-8 |
| | | Q513 | A-9 | D504 | D-8 |
| | | Q514 | B-6 | D505 | E-9 |
| | | Q515 | A-8 | D506 | D-9 |
| | | Q516 | C-7 | D507 | G-6 |
| | | Q517 | C-7 | D508 | F-6 |
| | | Q519 | B-7 | D510 | F-6 |
| | | Q520 | B-7 | D512 | D-9 |
| | | Q522 | E-6 | D513 | E-6 |
| | | Q525 | A-6 | D514 | E-7 |
| | | Q533 | B-7 | D515 | F-9 |
| | | Q2501 | C-7 | D516 | E-6 |
| | | | | D517 | D-7 |
| | | | | D518 | E-5 |
| | | | | D519 | C-6 |
| | | | | D523 | A-9 |
| | | | | D524 | C-8 |
| | | | | D525 | C-9 |
| | | | | D526 | B-6 |
| | | | | D527 | B-8 |
| | | | | D528 | A-9 |
| | | | | D529 | A-8 |
| | | | | D530 | A-9 |
| | | | | D531 | B-7 |
| | | | | D532 | B-7 |
| | | | | D533 | G-8 |
| | | | | D534 | B-7 |
| | | | | D536 | A-6 |
| | | | | D539 | A-9 |
| DIODE | | D101 | B-1 | | |
| | | D102 | B-2 | | |
| | | D103 | B-2 | | |
| | | D107 | B-1 | | |
| | | D111 | B-1 | | |
| | | D115 | B-2 | | |
| | | D116 | F-8 | | |
| | | D200 | A-6 | | |
| | | D301 | G-3 | | |
| | | D303 | F-4 | | |
| | | D304 | F-4 | | |
| | | D307 | F-2 | | |
| | | D309 | G-2 | | |
| | | D310 | G-3 | | |
| | | D311 | G-2 | | |
| | | D315 | D-2 | | |
| | | D317 | C-2 | | |
| | | D320 | D-2 | | |
| | | D322 | D-2 | | |
| | | D323 | C-2 | | |
| VARIABLE RESISTOR | | RV501 | B-8 | | |
| | | | | | |

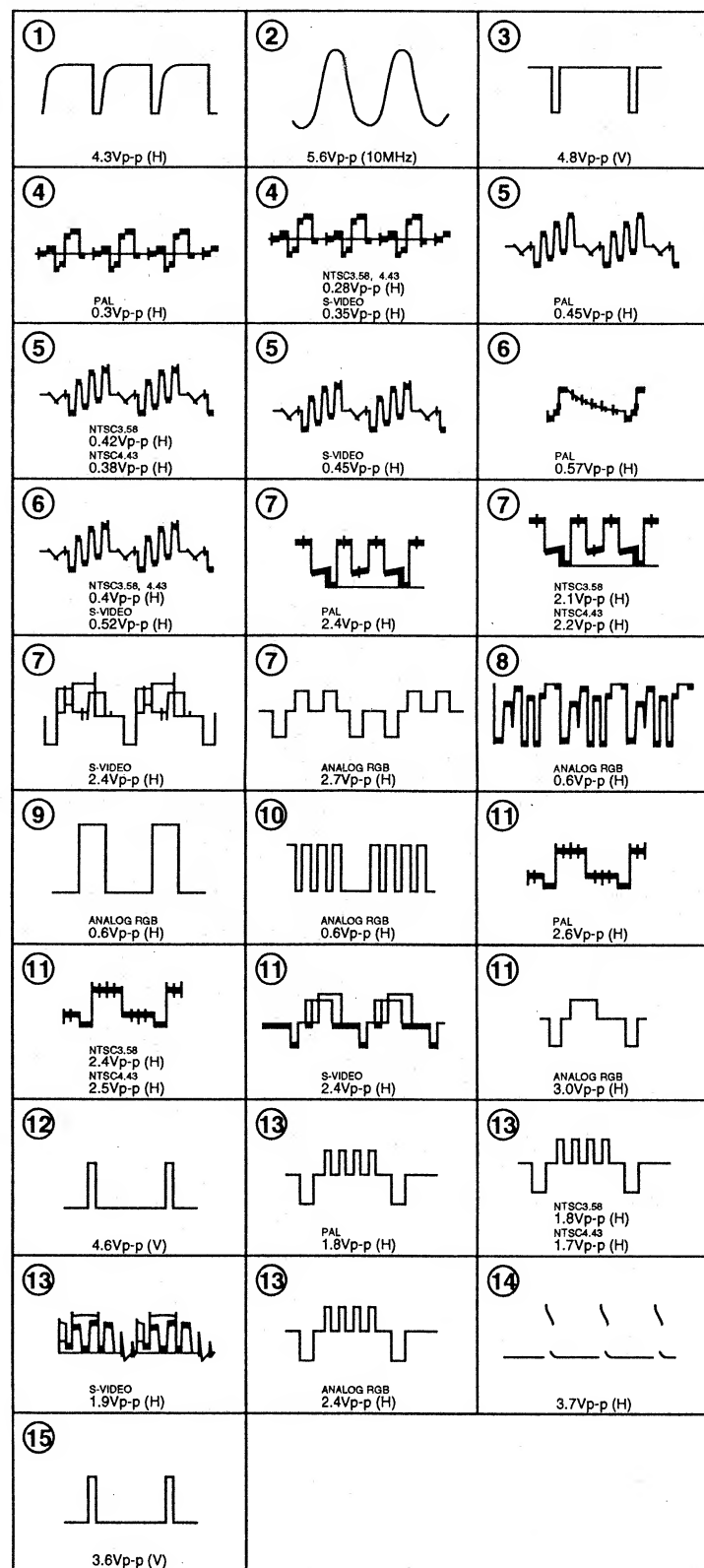








A (1/3) BOARD WAVEFORMS



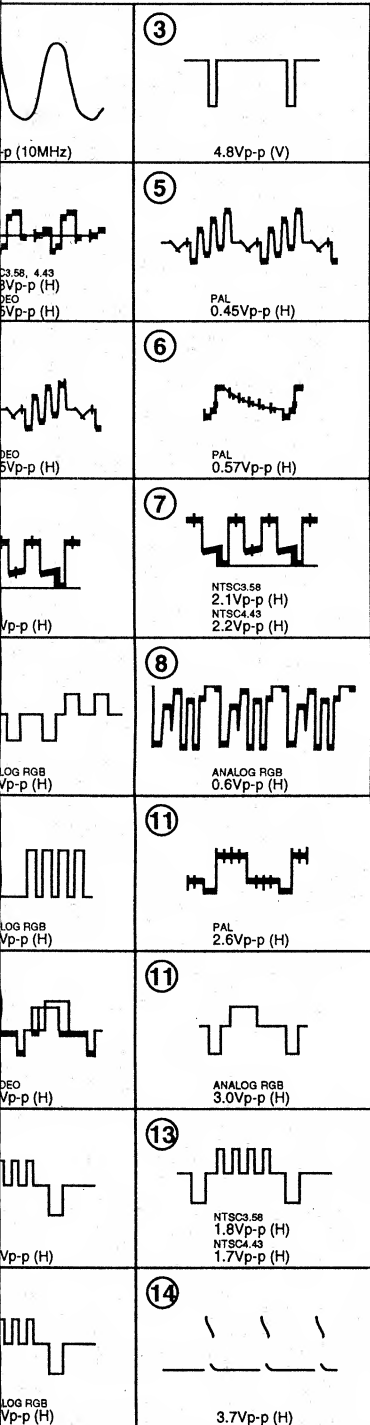
A (1/3) BOARD * MARK LIST

| | 20INCH MODEL | 14INCH MODEL |
|-------|--------------|--------------|
| C443 | 39p :CHIP | 47p CH:CHIP |
| C446 | 12p CH:CHIP | 6p :CHIP |
| C448 | 39p :CHIP | 47p CH:CHIP |
| C454 | 39p :CHIP | 47p CH:CHIP |
| C456 | 12p CH:CHIP | 6p :CHIP |
| C1408 | 39p :CHIP | 68p CH:CHIP |
| L402 | 82μH :CHIP | 100μH :CHIP |
| L403 | 82μH :CHIP | 100μH :CHIP |
| L404 | 82μH :CHIP | 100μH :CHIP |
| L409 | 82μH :CHIP | 68μH :CHIP |
| R405 | 1M :CHIP | # |
| R407 | 33k :CHIP | 15k :CHIP |
| R413 | 1M :CHIP | 5.1k :RN-CP |
| R414 | 0 :CHIP | 8.2k :RN-CP |
| R419 | # | 4.7k :CHIP |
| R420 | # | 33k RN:CHIP |
| R463 | 3.9k :CHIP | 4.7k :CHIP |
| R491 | 3.9k :CHIP | 3.3k :CHIP |
| R498 | 3.9k :CHIP | 3.3k :CHIP |
| R1407 | 3.9k :CHIP | 3.3k :CHIP |
| R1470 | 3.3k :CHIP | 2.2k :CHIP |
| R4405 | 6.8k :CHIP | 5.6k :CHIP |

A (1/3) BOARD * M

| | PAL | NTSC |
|---------|------|------|
| IC101 ② | 2.3 | 3.58 |
| ③ | 4.5 | 4.5 |
| ⑧ | 4.1 | 0 |
| ⑫ | 3.4 | 3.5 |
| ⑮ | 0 | 0 |
| ⑳ | 0 | 0 |
| ㉒ | 4.9 | 0 |
| ㉔ | 5.0 | 0 |
| ㉕ | 5.0 | 0 |
| ㉖ | 0.1 | 0.1 |
| ㉗ | 5.0 | 5.0 |
| ㉘ | 5.0 | 5.0 |
| ㉙ | 5.0 | 5.0 |
| ㉚ | 4.2 | 4.6 |
| ㉛ | 4.0 | 4.6 |
| ㉜ | 0.3 | 0.1 |
| ㉝ | 4.2 | 4.3 |
| ㉞ | 4.0 | 3.6 |
| ㉟ | 0.5 | 1.0 |
| ㊱ | 3.0 | 2.6 |
| ㊲ | 3.6 | 2.9 |
| ㊳ | 4.0 | 4.0 |
| IC103 ⑥ | 0.2 | 0.2 |
| IC104 ④ | 2.3 | 2.2 |
| ⑩ | 3.5 | 3.5 |
| IC105 ③ | 2.3 | 2.2 |
| ⑤ | 0 | 0.1 |
| ⑩ | 2.6 | 2.7 |
| ⑮ | 5.4 | 5.4 |
| IC106 ③ | 2.3 | 2.2 |
| ⑤ | 5.4 | 5.4 |
| ⑦ | 2.4 | 2.4 |
| ⑧ | 7.8 | 7.8 |
| ⑨ | 5.1 | 5.1 |
| ⑩ | 0.1 | 10.5 |
| ⑪ | 3.1 | 2.6 |
| ⑫ | 2.4 | 2.1 |
| ⑬ | 6.3 | 11.9 |
| ⑭ | 3.6 | 4.8 |
| ⑮ | 0.8 | 0.4 |
| IC107 ② | 4.6 | 4.5 |
| ③ | 2.3 | 2.2 |
| ④ | 2.8 | 2.8 |
| ⑥ | 1.5 | 1.4 |
| ⑦ | 2.9 | 2.9 |
| ⑧ | 2.6 | 2.6 |
| ⑨ | 2.9 | 2.9 |
| ⑪ | 2.6 | 2.8 |
| ⑫ | 3.2 | 5.4 |
| ⑬ | 4.5 | 5.0 |
| ⑭ | 6.3 | 6.1 |
| IC109 ② | 4.6 | 4.5 |
| ③ | 2.3 | 2.2 |
| ⑪ | 11.9 | 11.9 |
| ⑫ | 11.9 | 0.1 |
| IC110 ③ | 2.3 | 2.2 |
| ④ | 7.2 | 7.2 |
| ⑩ | 5.8 | 5.8 |
| ⑪ | 11.9 | 11.9 |
| ⑫ | 0 | 7.9 |
| ㉒ | 3.7 | 3.5 |
| IC111 ② | 2.3 | 2.2 |
| ④ | 0.3 | 0.3 |
| ⑪ | 0.2 | 0.1 |
| ⑫ | 0 | 5.0 |
| ⑬ | 5.0 | 5.0 |
| IC402 ② | 3.1 | 2.9 |
| ③ | 0 | 2.3 |
| ⑦ | 2.9 | 2.9 |
| IC404 ⑥ | 3.0 | 3.0 |
| ⑦ | 4.9 | 4.9 |
| ⑩ | 5.6 | 5.6 |
| ⑫ | 5.6 | 5.6 |
| ⑮ | 0 | 0 |
| ㉔ | 3.8 | 4.0 |
| ㉕ | 7.1 | 8.0 |
| ㉖ | 1.4 | 1.2 |
| ㉗ | 7.0 | 8.1 |
| ㉘ | 1.4 | 1.2 |
| ㉙ | 7.8 | 7.7 |
| ㉚ | 6.9 | 7.8 |
| ㉛ | 1.2 | 1.0 |
| ㉜ | 7.2 | 7.2 |
| ㉝ | 7.2 | 7.2 |
| ㉞ | 6.6 | 6.6 |
| IC405 ① | 1.6 | 1.1 |
| ② | 1.4 | 0.9 |
| ③ | 1.2 | 0.9 |
| ④ | 1.4 | 1.0 |
| ⑤ | 1.3 | 1.0 |
| ⑩ | 0.5 | 0.6 |
| ⑪ | 0.5 | 0.6 |
| ⑫ | 1.2 | 0.8 |

A (1/3) BOARD * MARK VOLTAGE



| 14INCH MODEL |
|--------------|
| CH:CHIP |
| CHIP |
| CH:CHIP |
| CH:CHIP |
| CHIP |
| CH:CHIP |
| μH :CHIP |
| μH :CHIP |
| μH :CHIP |
| H :CHIP |
| |
| :CHIP |
| :RN-CP |
| :RN-CP |
| :CHIP |
| RN:CHIP |
| :CHIP |
| :CHIP |
| :CHIP |
| :CHIP |
| :CHIP |

| | PAL | NTSC | NTSC | S-VIDEO | ANALOG |
|---------|------|------|------|---------|--------|
| | | 3.58 | 4.43 | | RGB |
| IC101 ② | 2.3 | 2.2 | 2.2 | 2.0 | 2.3 |
| ③ | 4.5 | 4.5 | 4.4 | 4.4 | 4.5 |
| ⑥ | 4.1 | 0 | 0.1 | 0 | 0 |
| ⑩ | 3.4 | 3.5 | 3.5 | 3.1 | 3.5 |
| ⑫ | 0 | 0 | 0 | 4.8 | 0 |
| ⑯ | 0 | 0 | 0 | 0 | 4.9 |
| ⑳ | 4.9 | 0 | 0 | 0 | 0 |
| ㉑ | 5.0 | 0 | 5.0 | 0 | 0 |
| ㉒ | 5.0 | 0 | 0 | 0 | 0 |
| ㉓ | 0.1 | 0.1 | 0.1 | 4.9 | 0.1 |
| ㉔ | 5.0 | 5.0 | 5.0 | 0 | 5.0 |
| ㉕ | 5.0 | 5.0 | 5.0 | 4.9 | 0.1 |
| ㉖ | 5.0 | 5.0 | 5.0 | 5.0 | 0.1 |
| ㉗ | 4.2 | 4.6 | 5.0 | 3.9 | 3.9 |
| ㉘ | 4.0 | 4.6 | 5.0 | 3.6 | 3.7 |
| ㉙ | 0.3 | 0.1 | 0.7 | 0.1 | 0.1 |
| ㉚ | 4.2 | 4.3 | 4.2 | 4.2 | 4.3 |
| ㉛ | 4.0 | 3.6 | 3.7 | 3.9 | 4.0 |
| ㉜ | 0.5 | 1.0 | 0.8 | 3.1 | 1.9 |
| ㉝ | 3.0 | 2.6 | 2.3 | 3.8 | 2.2 |
| ㉞ | 3.6 | 2.9 | 3.2 | 3.9 | 4.0 |
| ㉟ | 4.0 | 4.0 | 4.0 | 2.9 | 4.0 |
| IC103 ⑥ | 0.2 | 0.2 | 0.2 | 0 | 0 |
| IC104 ④ | 2.3 | 2.2 | 2.2 | 2.0 | 2.3 |
| ⑩ | 3.5 | 3.5 | 3.5 | 3.1 | 3.5 |
| IC105 ③ | 2.3 | 2.2 | 2.2 | 0 | 2.3 |
| ⑤ | 0 | 0.1 | 0 | 11.8 | 0 |
| ⑩ | 2.6 | 2.7 | 2.6 | 2.8 | 2.6 |
| ⑫ | 5.4 | 5.4 | 5.4 | 6.6 | 8.1 |
| IC106 ④ | 2.3 | 2.2 | 2.2 | 2.1 | 2.3 |
| ⑤ | 5.4 | 5.4 | 5.4 | 4.1 | 5.4 |
| ⑦ | 2.4 | 2.4 | 2.4 | 0.6 | 2.4 |
| ⑧ | 7.8 | 7.8 | 7.7 | 5.5 | 7.8 |
| ⑨ | 5.1 | 5.1 | 5.1 | 4.0 | 5.1 |
| ⑫ | 0.1 | 10.5 | 10.5 | 10.9 | 10.5 |
| ⑬ | 3.1 | 2.6 | 3.1 | 2.7 | 2.5 |
| ⑭ | 2.4 | 2.1 | 2.2 | 2.1 | 3.2 |
| ⑮ | 6.3 | 11.9 | 9.0 | 10.7 | 3.7 |
| ⑯ | 3.6 | 4.8 | 3.6 | 4.3 | 9.5 |
| ㉑ | 0.8 | 0.4 | 0.3 | 2.4 | 3.1 |
| IC107 ③ | 4.6 | 4.5 | 4.5 | 4.4 | 4.5 |
| ④ | 2.3 | 2.2 | 0 | 2.1 | 0 |
| ⑤ | 2.8 | 2.8 | 2.8 | 3.3 | 2.8 |
| ⑥ | 1.5 | 1.4 | 1.4 | 2.3 | 1.4 |
| ⑦ | 2.9 | 2.9 | 2.9 | 2.1 | 2.9 |
| ⑧ | 2.6 | 2.6 | 2.6 | 2.9 | 2.6 |
| ⑨ | 2.9 | 2.9 | 2.9 | 2.6 | 2.9 |
| ⑩ | 2.6 | 2.8 | 2.8 | 2.8 | 2.8 |
| ⑪ | 3.2 | 5.4 | 5.4 | 5.3 | 5.4 |
| ⑫ | 4.5 | 5.0 | 5.0 | 3.7 | 5.0 |
| ⑬ | 6.3 | 6.1 | 6.1 | 6.0 | 6.1 |
| IC109 ③ | 4.6 | 4.5 | 4.5 | 4.4 | 4.4 |
| ④ | 2.3 | 2.2 | 2.2 | 2.1 | 2.3 |
| ⑦ | 11.9 | 11.9 | 11.9 | 11.9 | 0.1 |
| ⑩ | 11.9 | 0.1 | 0 | 0.1 | 11.8 |
| IC110 ④ | 2.3 | 2.2 | 2.2 | 2.0 | 2.2 |
| ⑤ | 7.2 | 7.2 | 7.2 | 8.3 | 7.2 |
| ⑩ | 5.8 | 5.8 | 5.8 | 6.2 | 5.8 |
| ⑫ | 11.9 | 11.9 | 11.9 | 7.8 | 11.9 |
| ⑬ | 0 | 7.9 | 7.9 | 7.8 | 7.9 |
| ㉑ | 3.7 | 3.5 | 3.5 | 3.5 | 3.6 |
| IC111 ④ | 2.3 | 2.2 | 2.2 | 2.0 | 2.2 |
| ⑤ | 0.3 | 0.3 | 0.3 | 0 | 0.3 |
| ⑩ | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| ⑫ | 0 | 5.0 | 5.0 | 0 | 5.0 |
| ⑬ | 5.0 | 5.0 | 5.0 | 0 | 5.0 |
| IC402 ② | 3.1 | 2.9 | 3.0 | 3.0 | 3.6 |
| ③ | 0 | 2.3 | 0 | 2.2 | 2.2 |
| ⑦ | 2.9 | 2.9 | 0 | 2.9 | 2.9 |
| IC404 ⑥ | 3.0 | 3.0 | 3.0 | 4.5 | 0 |
| ⑦ | 4.9 | 4.9 | 4.9 | 4.7 | 6.1 |
| ⑩ | 5.6 | 5.6 | 5.6 | 5.6 | 5.8 |
| ⑫ | 5.6 | 5.6 | 5.6 | 5.6 | 5.8 |
| ⑬ | 0 | 0 | 0 | 0 | 4.4 |
| ⑯ | 3.8 | 4.0 | 4.2 | 4.0 | 3.6 |
| ㉑ | 7.1 | 8.0 | 8.0 | 7.7 | 7.9 |
| ㉒ | 1.4 | 1.2 | 1.1 | 1.2 | 1.4 |
| ㉓ | 7.0 | 8.1 | 7.8 | 7.8 | 7.8 |
| ㉔ | 1.4 | 1.2 | 1.1 | 1.2 | 1.5 |
| ㉕ | 7.8 | 7.7 | 7.8 | 8.0 | 7.7 |
| ㉖ | 6.9 | 7.8 | 7.7 | 7.6 | 7.6 |
| ㉗ | 1.2 | 1.0 | 1.0 | 1.2 | 1.3 |
| ㉘ | 7.2 | 7.2 | 7.2 | 8.3 | 7.2 |
| ㉙ | 7.2 | 7.2 | 7.2 | 6.9 | 7.0 |
| ㉚ | 6.6 | 6.6 | 6.6 | 5.5 | 0 |
| IC405 ① | 1.6 | 1.1 | 1.3 | 1.4 | 1.6 |
| ② | 1.4 | 0.9 | 0 | 1.2 | 1.5 |
| ③ | 1.2 | 0.9 | 0 | 1.1 | 1.2 |
| ④ | 1.4 | 1.0 | 0 | 1.2 | 1.4 |
| ⑤ | 1.3 | 1.0 | 0 | 1.2 | 1.4 |
| ⑩ | 0.5 | 0.6 | 1.0 | 0.3 | 0.2 |
| ⑪ | 0.5 | 0.6 | 1.3 | 0.3 | 0.2 |
| ⑫ | 1.2 | 0.8 | 1.1 | 1.2 | 1.3 |

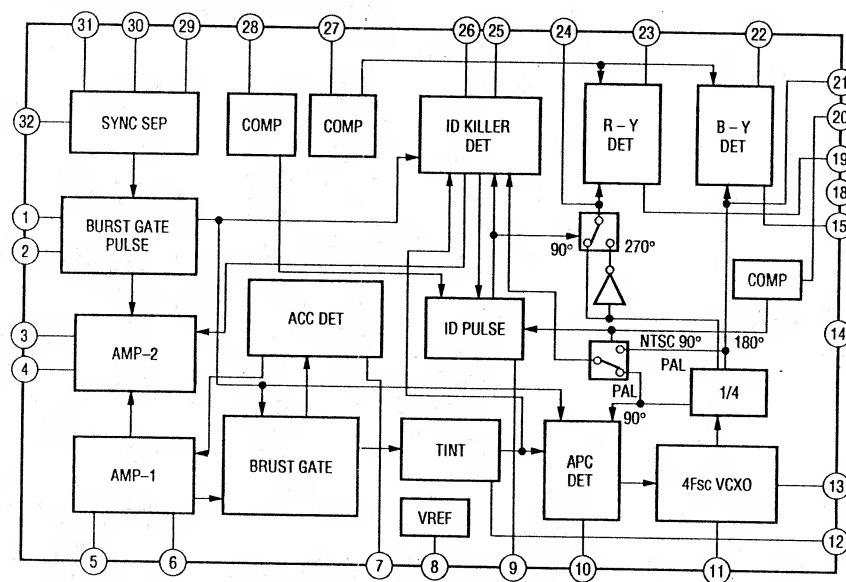
| | PAL | NTSC | NTSC | S-VIDEO | ANALOG |
|---------|------|------|------|---------|--------|
| | | 3.58 | 4.43 | | RGB |
| IC405 ⑫ | 1.4 | 0.9 | 1.3 | 1.3 | 1.4 |
| ⑬ | 1.2 | 0.8 | 1.2 | 1.2 | 1.3 |
| ⑭ | 1.4 | 1.0 | 1.3 | 1.2 | 1.5 |
| IC407 ① | 1.2 | 0.9 | 1.2 | 1.2 | 1.3 |
| ② | 0.4 | 0.5 | 0.3 | 0.4 | 0.5 |
| ③ | 1.4 | 1.0 | 1.3 | 1.2 | 1.4 |
| ④ | 0.6 | 0.7 | 0.5 | 0.5 | 0.7 |
| ⑤ | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| ⑥ | 11.7 | 11.6 | 11.3 | 11.7 | 11.2 |
| ⑦ | 5.5 | 5.5 | 5.5 | 5.4 | 8.5 |
| ⑧ | 5.5 | 5.5 | 5.5 | 5.4 | 8.4 |
| ⑨ | 1.4 | 1.0 | 1.3 | 1.2 | 1.5 |
| ⑩ | 0.6 | 0.7 | 0.6 | 0.5 | 0.6 |
| ⑪ | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| ⑫ | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| IC408 ① | 3.1 | 2.9 | 3.1 | 3.7 | 3.4 |
| ⑦ | 4.1 | 3.9 | 4.1 | 4.2 | 4.1 |
| IC409 ① | 0 | 9.0 | 9.4 | 0 | 7.5 |
| ③ | 0 | 0.4 | 0.3 | 0.3 | 1.6 |
| ⑤ | 5.9 | 6.3 | 0 | 5.9 | 5.9 |
| ⑥ | 5.9 | 6.3 | 6.0 | 5.9 | 5.9 |
| ⑦ | 5.9 | 6.3 | 6.0 | 5.9 | 5.9 |
| ⑩ | 0.1 | 0.5 | 1.2 | 0.1 | 0 |
| ⑫ | 0 | 6.6 | 6.9 | 0 | 10.7 |
| IC410 ① | 3.8 | 4.0 | 4.0 | 0 | 3.9 |
| ② | 3.0 | 2.4 | 3.1 | 0 | 4.0 |
| ③ | 1.3 | 1.4 | 1.6 | 2.3 | 1.5 |
| ④ | 3.5 | 3.0 | 3.8 | 3.9 | 3.9 |
| ⑤ | 0.6 | 1.1 | 1.1 | 3.1 | 1.7 |
| ⑥ | 4.0 | 4.0 | 3.9 | 0 | 0 |
| ⑦ | 0 | 1.9 | 1.8 | 2.5 | 1.4 |
| ⑩ | 2.0 | 2.3 | 2.0 | 1.8 | 3.0 |
| IC411 ① | 4.1 | 3.9 | 3.8 | 4.2 | 4.1 |
| ⑩ | 1.8 | 1.9 | 1.8 | 2.5 | 1.3 |
| ⑫ | 2.0 | 2.3 | 2.1 | 1.8 | 3.0 |
| IC412 ② | 0.4 | 0.4 | 0.4 | 5.9 | 0.6 |
| ④ | 8.9 | 8.9 | 8.9 | 8.9 | 8.3 |
| ⑤ | 9.0 | 9.0 | 8.9 | 8.9 | 8.3 |
| ⑩ | 6.0 | 6.0 | 6.0 | 6.0 | 0 |
| ⑫ | 0.4 | 0.4 | 0.4 | 5.9 | 0.5 |
| IC413 ② | 7.9 | 8.0 | 8.0 | 0 | 6.9 |
| ④ | 0 | 5.5 | 5.5 | 5.4 | 0 |
| ⑤ | 5.5 | 5.5 | 5.5 | 5.4 | 8.6 |
| ⑩ | 3.1 | 3.1 | 3.1 | 0 | 5.1 |
| ⑫ | 3.1 | 3.1 | 3.1 | 6.0 | 5.1 |
| ⑬ | 7.9 | 8.0 | 7.9 | 6.3 | 6.9 |
| Q102 B | 10.9 | 10.9 | 10.9 | 10.7 | 10.9 |
| C | 8.1 | 8.1 | 8.1 | 0 | 8.1 |
| E | 11.5 | 11.5 | 11.5 | 11.3 | 11.5 |
| Q104.1B | -0.2 | -0.2 | 0 | 0 | -0.2 |
| Q107 B | 5.0 | 5.0 | 5.0 | 5.0 | 0.1 |
| C | 0 | 0 | 0 | 0 | 5.0 |
| Q108 C | 2.6 | 2.6 | 2.6 | 2.9 | 2.6 |
| E | 2.6 | 2.6 | 2.6 | 2.9 | 2.6 |
| Q113 C | 4.1 | 4.2 | 4.2 | 3.8 | 4.0 |
| Q401 B | 1.1 | 1.5 | 1.6 | 1.2 | 1.0 |
| C | 7.5 | 6.0 | 5.2 | 8.4 | 10.0 |
| E | 1.4 | 3.2 | 3.4 | 3.1 | 1.0 |
| Q402 B | 0.5 | 0.5 | 0.5 | 2.4 | 0.5 |
| C | 9.5 | 8.1 | 7.4 | 10.4 | 6.9 |
| E | 1.4 | 3.2 | 3.3 | 3.2 | 1.0 |
| Q407 B | 0 | 0 | 0 | 0 | 0.6 |
| C | 6.6 | 6.6 | 6.6 | 5.4 | 0 |
| Q409 B | 1.9 | 1.6 | 1.6 | 1.7 | 1.6 |
| E | 2.0 | 2.2 | 2.2 | 2.3 | 2.2 |
| Q412 B | 1.3 | 1.0 | 1.3 | 1.1 | 1.4 |
| E | 2.0 | 1.7 | 1.9 | 1.8 | 2.0 |
| Q417 B | 1.4 | 1.2 | 1.2 | 1.2 | 1.4 |
| Q418 C | 2.1 | 1.7 | 1.7 | 1.7 | 2.0 |
| Q419 B | 1.4 | 1.2 | 1.1 | 1.2 | 1.5 |
| E | 2.0 | 1.7 | 1.7 | 1.8 | 2.0 |
| Q420 B | 1.2 | 1.0 | 1.0 | 1.2 | 1.3 |
| E | 1.8 | 1.6 | 1.6 | 1.8 | 1.9 |
| Q422 C | 2.1 | 1.7 | 1.7 | 1.8 | 2.0 |
| Q423 B | 0.5 | 0.4 | 0.4 | 0.4 | 0.2 |
| Q425 C | 4.5 | 4.5 | 4.5 | 4.7 | 4.5 |
| Q426 C | 0.8 | 0.7 | 0.7 | 0.7 | 0 |
| Q429 B | 0.1 | 0.4 | 0.4 | 0.1 | 0.1 |
| E | 0 | -1.2 | -1.2 | 0.4 | 0.4 |
| Q432 B | -0.3 | -3.4 | -2.7 | -0.1 | -3.9 |
| C | 11.9 | 11.8 | 11.8 | 12.0 | 11.6 |
| Q433 B | 0 | 0 | 0 | 0 | 2.7 |
| C | 3.0 | 3.0 | 3.0 | 4.5 | 0 |
| Q434 B | -0.1 | 0 | 0 | -0.1 | 0.4 |
| C | 3.6 | 4.5 | 4.8 | 2.9 | 0 |
| Q441 G | -1.1 | 1.7 | -4.8 | 0 | -0.7 |
| D | 2.0 | -8.1 | 1.9 | 1.8 | 2.0 |
| S | 2.0 | 1.6 | 1.9 | 1.8 | 2.0 |
| Q442 B | 1.3 | 1.1 | 1.1 | 1.1 | 2.1 |
| E | 0.9 | 0.7 | 0.7 | 0.7 | 1.5 |
| Q444 C | 1.2 | 1.2 | 1.4 | 2.2 | 1.3 |
| Q445 C | 0.4 | 1.4 | 1.3 | 0.3 | 0.4 |

ARK VOLTAGE

| NTSC 4.43 | S-VIDEO | ANALOG RGB |
|--------------|---------|---------------|
| 2.2 | 2.0 | 2.3 |
| 4.4 | 4.4 | 4.5 |
| 0.1 | 0 | 0 |
| 3.5 | 3.1 | 3.5 |
| 0 | 4.8 | 0 |
| 0 | 0 | 4.9 |
| 0 | 0 | 0 |
| 5.0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.1 | 4.9 | 0.1 |
| 5.0 | 0 | 5.0 |
| 5.0 | 4.9 | 0.1 |
| 5.0 | 5.0 | 0.1 |
| 5.0 | 3.9 | 3.9 |
| 5.0 | 3.6 | 3.7 |
| 0.7 | 0.1 | 0.1 |
| 4.2 | 4.2 | 4.3 |
| 3.7 | 3.9 | 4.0 |
| 0.8 | 3.1 | 1.9 |
| 2.3 | 3.8 | 2.2 |
| 3.2 | 3.9 | 4.0 |
| 4.0 | 2.9 | 4.0 |
| 0.2 | 0 | 0 |
| 2.2 | 2.0 | 2.3 |
| 3.5 | 3.1 | 3.5 |
| 2.2 | 0 | 2.3 |
| 0 | 11.8 | 0 |
| 2.6 | 2.8 | 2.6 |
| 5.4 | 6.6 | 8.1 |
| 2.2 | 2.1 | 2.3 |
| 5.4 | 4.1 | 5.4 |
| 2.4 | 0.6 | 2.4 |
| 7.7 | 5.5 | 7.8 |
| 5.1 | 4.0 | 5.1 |
| 10.5 | 10.9 | 10.5 |
| 3.1 | 2.7 | 2.5 |
| 2.2 | 2.1 | 3.2 |
| 9.0 | 10.7 | 3.7 |
| 3.6 | 4.3 | 9.5 |
| 0.3 | 2.4 | 3.1 |
| 4.5 | 4.4 | 4.5 |
| 0 | 2.1 | 0 |
| 2.8 | 3.3 | 2.8 |
| 1.4 | 2.3 | 1.4 |
| 2.9 | 2.1 | 2.9 |
| 2.6 | 2.9 | 2.6 |
| 2.9 | 2.6 | 2.9 |
| 2.8 | 2.8 | 2.8 |
| 5.4 | 5.3 | 5.4 |
| 5.0 | 3.7 | 5.0 |
| 6.1 | 6.0 | 6.1 |
| 4.5 | 4.4 | 4.4 |
| 2.2 | 2.1 | 2.3 |
| 11.9 | 11.9 | 0.1 |
| 0 | 0.1 | 11.8 |
| 2.2 | 2.0 | 2.2 |
| 7.2 | 8.3 | 7.2 |
| 5.8 | 6.2 | 5.8 |
| 11.9 | 7.8 | 11.9 |
| 7.9 | 7.8 | 7.9 |
| 3.5 | 3.5 | 3.6 |
| 2.2 | 2.0 | 2.2 |
| 0.3 | 0 | 0.3 |
| 0.1 | 0.1 | 0.1 |
| 5.0 | 0 | 5.0 |
| 5.0 | 0 | 5.0 |
| 3.0 | 3.0 | 3.6 |
| 0 | 2.2 | 2.2 |
| 0 | 2.9 | 2.9 |
| 3.0 | 4.5 | 0 |
| 4.9 | 4.7 | 6.1 |
| 5.6 | 5.6 | 5.8 |
| 5.6 | 5.6 | 5.8 |
| 0 | 0 | 4.4 |
| 4.2 | 4.0 | 3.6 |
| 8.0 | 7.7 | 7.9 |
| 1.1 | 1.2 | 1.4 |
| 7.8 | 7.8 | 7.8 |
| 1.1 | 1.2 | 1.5 |
| 7.8 | 8.0 | 7.7 |
| 7.7 | 7.6 | 7.6 |
| 1.0 | 1.2 | 1.3 |
| 7.2 | 8.3 | 7.2 |
| 7.2 | 6.9 | 7.0 |
| 6.6 | 5.5 | 0 |
| 1.3 | 1.4 | 1.6 |
| 0 | 1.2 | 1.5 |
| 0 | 1.1 | 1.2 |
| 0 | 1.2 | 1.4 |
| 0 | 1.2 | 1.4 |
| 1.0 | 0.3 | 0.2 |
| 1.3 | 0.3 | 0.2 |
| 1.1 | 1.2 | 1.3 |

| | PAL | NTSC 3.58 | NTSC 4.43 | S-VIDEO | ANALOG RGB |
|---------|------|--------------|--------------|---------|---------------|
| IC405 ⑨ | 1.4 | 0.9 | 1.3 | 1.3 | 1.4 |
| ⑨ | 1.2 | 0.8 | 1.2 | 1.2 | 1.3 |
| ⑨ | 1.4 | 1.0 | 1.3 | 1.2 | 1.5 |
| IC407 ① | 1.2 | 0.9 | 1.2 | 1.2 | 1.3 |
| ② | 0.4 | 0.5 | 0.3 | 0.4 | 0.5 |
| ③ | 1.4 | 1.0 | 1.3 | 1.2 | 1.4 |
| ④ | 0.6 | 0.7 | 0.5 | 0.5 | 0.7 |
| ⑤ | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| ⑥ | 11.7 | 11.6 | 11.3 | 11.7 | 11.2 |
| ⑧ | 5.5 | 5.5 | 5.5 | 5.4 | 8.5 |
| ⑨ | 5.5 | 5.5 | 5.5 | 5.4 | 8.4 |
| ⑩ | 1.4 | 1.0 | 1.3 | 1.2 | 1.5 |
| ⑪ | 0.6 | 0.7 | 0.6 | 0.5 | 0.6 |
| ⑫ | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| ⑬ | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| IC408 ① | 3.1 | 2.9 | 3.1 | 3.7 | 3.4 |
| ⑦ | 4.1 | 3.9 | 4.1 | 4.2 | 4.1 |
| IC409 ① | 0 | 9.0 | 9.4 | 0 | 7.5 |
| ③ | 0 | 0.4 | 0.3 | 0.3 | 1.6 |
| ⑤ | 5.9 | 6.3 | 0 | 5.9 | 5.9 |
| ⑥ | 5.9 | 6.3 | 6.0 | 5.9 | 5.9 |
| ⑦ | 5.9 | 6.3 | 6.0 | 5.9 | 5.9 |
| ⑫ | 0.1 | 0.5 | 1.2 | 0.1 | 0 |
| ⑭ | 0 | 6.6 | 6.9 | 0 | 10.7 |
| IC410 ① | 3.8 | 4.0 | 4.0 | 0 | 3.9 |
| ② | 3.0 | 2.4 | 3.1 | 0 | 4.0 |
| ③ | 1.3 | 1.4 | 1.6 | 2.3 | 1.5 |
| ④ | 3.5 | 3.0 | 3.8 | 3.9 | 3.9 |
| ⑤ | 0.6 | 1.1 | 1.1 | 3.1 | 1.7 |
| ⑥ | 4.0 | 4.0 | 3.9 | 0 | 0 |
| ⑧ | 0 | 1.9 | 1.8 | 2.5 | 1.4 |
| ⑩ | 2.0 | 2.3 | 2.0 | 1.8 | 3.0 |
| IC411 ① | 4.1 | 3.9 | 3.8 | 4.2 | 4.1 |
| ⑩ | 1.8 | 1.9 | 1.8 | 2.5 | 1.3 |
| ⑫ | 2.0 | 2.3 | 2.1 | 1.8 | 3.0 |
| IC412 ② | 0.4 | 0.4 | 0.4 | 5.9 | 0.6 |
| ④ | 8.9 | 8.9 | 8.9 | 8.9 | 8.3 |
| ⑤ | 9.0 | 9.0 | 8.9 | 8.9 | 8.3 |
| ⑬ | 6.0 | 6.0 | 6.0 | 6.0 | 0 |
| ⑭ | 0.4 | 0.4 | 0.4 | 5.9 | 0.5 |
| IC413 ② | 7.9 | 8.0 | 8.0 | 0 | 6.9 |
| ④ | 0 | 5.5 | 5.5 | 5.4 | 0 |
| ⑤ | 5.5 | 5.5 | 5.5 | 5.4 | 8.6 |
| ⑬ | 3.1 | 3.1 | 3.1 | 0 | 5.1 |
| ⑭ | 3.1 | 3.1 | 3.1 | 6.0 | 5.1 |
| ⑭ | 7.9 | 8.0 | 7.9 | 6.3 | 6.9 |
| Q102 B | 10.9 | 10.9 | 10.9 | 10.7 | 10.9 |
| C | 8.1 | 8.1 | 8.1 | 0 | 8.1 |
| E | 11.5 | 11.5 | 11.5 | 11.3 | 11.5 |
| Q104.1B | -0.2 | -0.2 | 0 | 0 | -0.2 |
| Q107 B | 5.0 | 5.0 | 5.0 | 5.0 | 0.1 |
| C | 0 | 0 | 0 | 0 | 5.0 |
| Q108 C | 2.6 | 2.6 | 2.6 | 2.9 | 2.6 |
| E | 2.6 | 2.6 | 2.6 | 2.9 | 2.6 |
| Q113 C | 4.1 | 4.2 | 4.2 | 3.8 | 4.0 |
| Q401 B | 1.1 | 1.5 | 1.6 | 1.2 | 1.0 |
| C | 7.5 | 6.0 | 5.2 | 8.4 | 10.0 |
| E | 1.4 | 3.2 | 3.4 | 3.1 | 1.0 |
| Q402 B | 0.5 | 0.5 | 0.5 | 2.4 | 0.5 |
| C | 9.5 | 8.1 | 7.4 | 10.4 | 6.9 |
| E | 1.4 | 3.2 | 3.3 | 3.2 | 1.0 |
| Q407 B | 0 | 0 | 0 | 0 | 0.6 |
| C | 6.6 | 6.6 | 6.6 | 5.4 | 0 |
| Q409 B | 1.9 | 1.6 | 1.6 | 1.7 | 1.6 |
| E | 2.0 | 2.2 | 2.2 | 2.3 | 2.2 |
| Q412 B | 1.3 | 1.0 | 1.3 | 1.1 | 1.4 |
| E | 2.0 | 1.7 | 1.9 | 1.8 | 2.0 |
| Q417 B | 1.4 | 1.2 | 1.2 | 1.2 | 1.4 |
| Q418 C | 2.1 | 1.7 | 1.7 | 1.7 | 2.0 |
| Q419 B | 1.4 | 1.2 | 1.1 | 1.2 | 1.5 |
| E | 2.0 | 1.7 | 1.7 | 1.8 | 2.0 |
| Q420 B | 1.2 | 1.0 | 1.0 | 1.2 | 1.3 |
| E | 1.8 | 1.6 | 1.6 | 1.8 | 1.9 |
| Q422 C | 2.1 | 1.7 | 1.7 | 1.8 | 2.0 |
| Q423 B | 0.5 | 0.4 | 0.4 | 0.4 | 0.2 |
| Q425 C | 4.5 | 4.5 | 4.5 | 4.7 | 4.5 |
| Q426 C | 0.8 | 0.7 | 0.7 | 0.7 | 0 |
| Q429 B | 0.1 | 0.4 | 0.4 | 0.1 | 0.1 |
| E | 0 | -1.2 | -1.2 | 0.4 | 0.4 |
| Q432 B | -0.3 | -3.4 | -2.7 | -0.1 | -3.9 |
| C | 11.9 | 11.8 | 11.8 | 12.0 | 11.6 |
| Q433 B | 0 | 0 | 0 | 0 | 2.7 |
| C | 3.0 | 3.0 | 3.0 | 4.5 | 0 |
| Q434 B | -0.1 | 0 | 0 | -0.1 | 0.4 |
| C | 3.6 | 4.5 | 4.8 | 2.9 | 0 |
| Q441 G | -1.1 | 1.7 | -4.8 | 0 | -0.7 |
| D | 2.0 | -8.1 | 1.9 | 1.8 | 2.0 |
| S | 2.0 | 1.6 | 1.9 | 1.8 | 2.0 |
| Q442 B | 1.3 | 1.1 | 1.1 | 1.1 | 2.1 |
| E | 0.9 | 0.7 | 0.7 | 0.7 | 1.5 |
| Q444 C | 1.2 | 1.2 | 1.4 | 2.2 | 1.3 |
| Q445 C | 0.4 | 1.4 | 1.3 | 0.3 | 0.4 |

A BOARD IC305 M51279FP



A (2/3) BOARD * MARK VOLTAGE

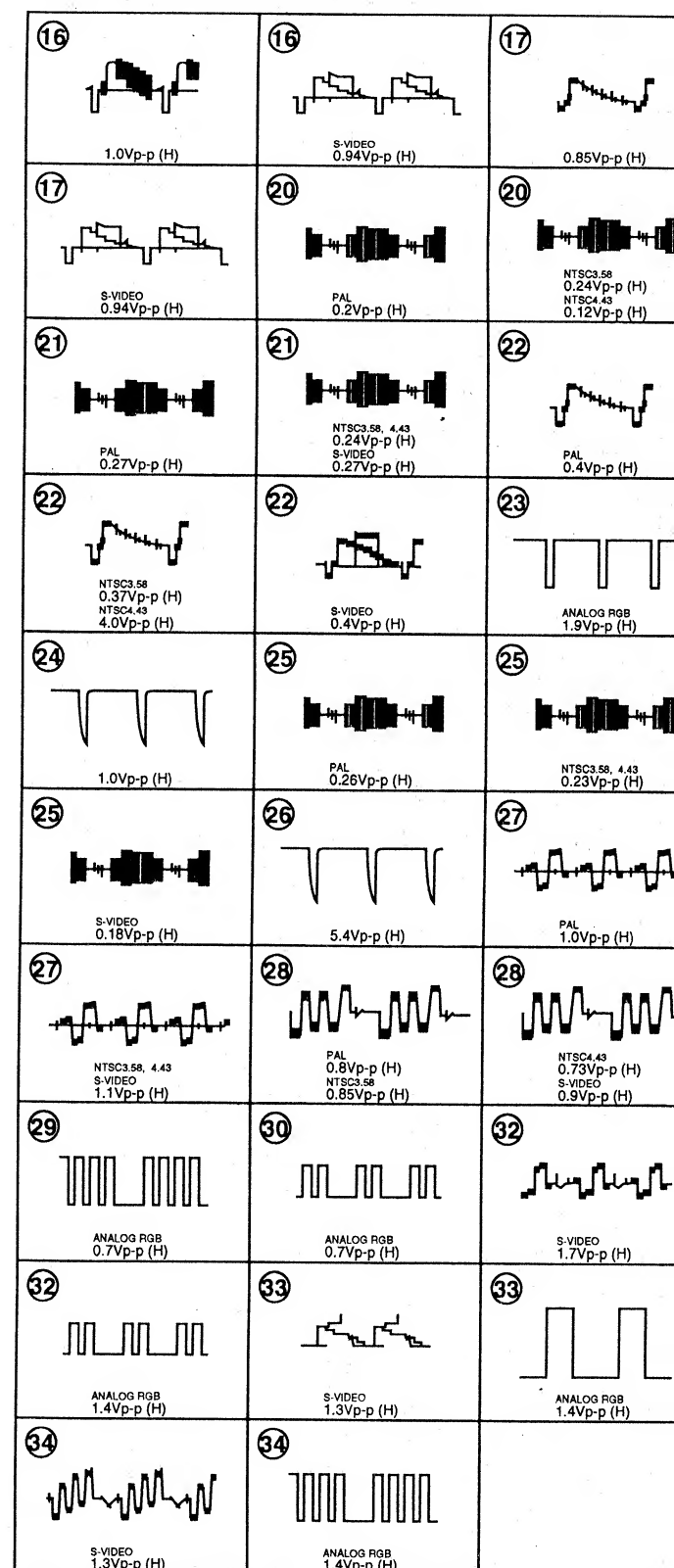
| | PAL | NTSC 3.58 | NTSC 4.43 | S-VIDEO | ANALOG RGB |
|---------|------|-----------|-----------|---------|------------|
| IC302 ① | 2.9 | 2.9 | 0.3 | 2.9 | 2.9 |
| ⑤ | 5.3 | 4.5 | 4.5 | 4.5 | 4.5 |
| ⑦ | 10.5 | 0 | 0 | 0 | 0 |
| IC304 ④ | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| ⑨ | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 |
| ⑬ | 7.3 | 2.5 | 2.5 | 2.6 | 2.5 |
| ⑮ | 7.3 | 2.5 | 2.6 | 2.6 | 2.5 |
| ⑰ | 1.9 | 2.2 | 2.2 | 2.2 | 2.2 |
| ⑲ | 2.5 | 2.2 | 2.2 | 2.3 | 2.2 |
| IC305 ① | 2.8 | 2.8 | 0 | 2.8 | 2.8 |
| ⑤ | 2.5 | 2.5 | 2.4 | 2.4 | 1.3 |
| ⑦ | 4.1 | 4.1 | 4.1 | 4.2 | 4.5 |
| ⑨ | 0.4 | 0 | 0 | 0 | 0.1 |
| ⑪ | 2.6 | 2.5 | 2.4 | 2.5 | 2.7 |
| ⑬ | 0 | 0.8 | 0.8 | 0.9 | 0.9 |
| ⑮ | 2.1 | 1.9 | 1.9 | 1.9 | 2.7 |
| IC306 ① | 8.1 | 8.1 | 8.1 | 8.1 | 0 |
| ⑤ | 0 | 0 | 0.1 | 0.1 | 4.4 |
| IC309 ① | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| ⑤ | 0 | 0 | 0 | 0 | 4.4 |
| IC310 ① | 6.2 | 6.2 | 6.2 | 6.2 | 5.9 |
| ⑤ | 6.3 | 6.2 | 6.2 | 6.2 | 5.9 |
| ⑨ | 5.9 | 6.0 | 6.3 | 5.9 | 5.9 |
| IC311 ② | 6.2 | 6.2 | 6.2 | 6.2 | 5.9 |
| ⑤ | 6.2 | 6.3 | 6.2 | 6.2 | 5.9 |
| ⑨ | 0.4 | 0.4 | 0.4 | 0.5 | 0.7 |
| ⑬ | 3.3 | 2.9 | 2.9 | 2.9 | 0 |
| ⑮ | 5.9 | 5.9 | 6.2 | 5.8 | 5.9 |
| ⑰ | 0.4 | 0.4 | 0.4 | 0.5 | 0.7 |
| IC312 ② | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| ⑤ | 0 | 0 | 12.0 | 0.1 | 4.5 |
| IC313 ① | 0 | 0 | 6.3 | 6.3 | 6.3 |
| IC314 ② | 0 | 7.6 | 0 | 3.0 | 0 |
| ⑤ | 0 | 0 | 0 | 2.9 | 0.1 |
| IC315 ① | 0.4 | 0.4 | 0.4 | 0.4 | 0.6 |
| ⑤ | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| ⑨ | 9.4 | 9.3 | 9.2 | 9.3 | 9.4 |
| ⑬ | 2.5 | 2.5 | 2.5 | 2.5 | 7.2 |
| ⑮ | 0.4 | 0.4 | 0.4 | 0.4 | 0.6 |
| ⑰ | 0.4 | 0.4 | 0.4 | 0.4 | 0.6 |
| IC317 ④ | 2.0 | 2.0 | 2.1 | 2.0 | 12.0 |
| ⑤ | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| ⑨ | 10.7 | 10.6 | 10.6 | 10.5 | 10.7 |
| ⑬ | 9.4 | 9.4 | 9.4 | 9.1 | 9.4 |
| IC318 ⑤ | 11.5 | 0 | 11.4 | 11.4 | 11.4 |
| IC320 ① | 6.3 | 6.3 | 6.3 | 6.3 | 0 |
| ⑤ | 3.0 | 0 | 3.1 | 0 | 0 |
| ⑨ | 0 | 0 | 0 | 3.3 | 0 |
| IC321 ② | 0 | 0.1 | 0 | 2.9 | 0 |
| ⑤ | 0 | 0 | 0 | 0.1 | 2.7 |
| IC322 ⑤ | 5.8 | 6.0 | 6.3 | 5.9 | 5.9 |
| IC323 ⑤ | 6.2 | 6.2 | 6.2 | 6.2 | 5.9 |
| ⑦ | 0 | 5.6 | 5.6 | 5.6 | 5.6 |
| IC324 ⑤ | 6.2 | 6.2 | 6.2 | 6.2 | 5.9 |
| IC326 ① | 5.9 | 6.0 | 6.3 | 5.9 | 5.9 |
| ⑤ | 5.9 | 5.9 | 6.2 | 5.8 | 5.9 |
| ⑨ | 5.9 | 5.9 | 6.2 | 5.8 | 5.9 |
| ⑬ | 1.7 | 1.6 | 1.6 | 2.1 | 2.1 |
| ⑰ | 2.4 | 2.3 | 2.3 | 2.3 | 4.6 |

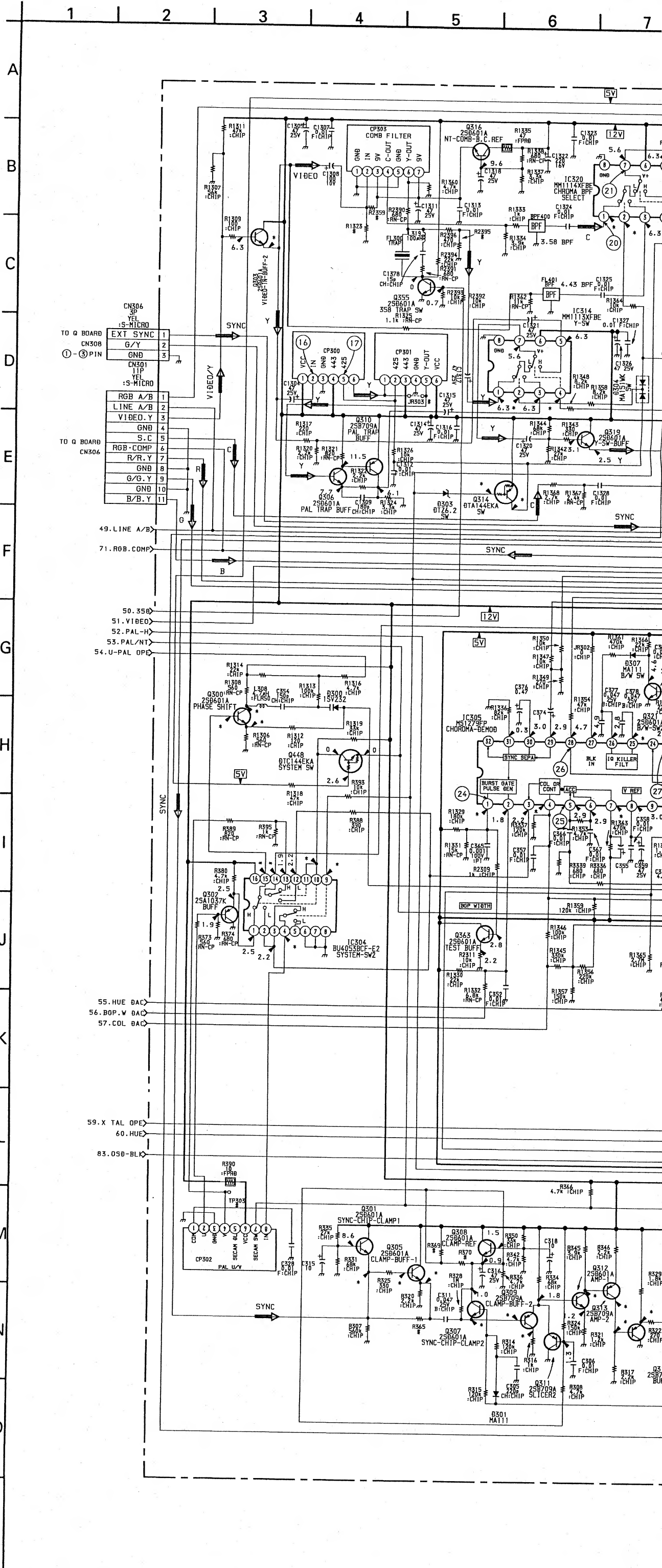
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|---------|------|-----------|-----------|---------|------------|
| IC326 ⑦ | 0 | 10.8 | 0 | -0.1 | 0 |
| ⑨ | 6.3 | 6.3 | 6.3 | 6.2 | 5.9 |
| ⑬ | 6.3 | 6.3 | 6.3 | 6.2 | 5.9 |
| ⑮ | 6.3 | 6.2 | 6.2 | 6.2 | 5.9 |
| ⑰ | 6.2 | 6.2 | 6.2 | 6.2 | 5.9 |
| ⑲ | 6.2 | 6.2 | 6.3 | 6.2 | 5.9 |
| ⑳ | 6.2 | 6.2 | 6.2 | 6.2 | 5.9 |
| IC350 ① | 6.6 | 6.4 | 6.3 | 6.1 | 6.9 |
| ⑤ | 6.2 | 6.2 | 6.3 | 6.0 | 6.4 |
| ⑨ | 6.2 | 6.2 | 6.3 | 6.0 | 6.4 |
| Q300 B | 2.5 | 2.2 | 2.2 | 2.2 | 2.2 |
| C | 10.2 | 10.4 | 10.5 | 10.4 | 10.5 |
| E | 1.9 | 1.6 | 1.6 | 1.6 | 1.6 |
| Q301 E | 8.6 | 8.2 | 8.3 | 8.5 | 9.8 |
| Q303 E | 5.7 | 5.7 | 5.7 | 5.5 | 5.7 |
| Q304 B | 6.3 | 6.3 | 6.4 | 6.2 | 6.3 |
| E | 5.7 | 5.7 | 5.7 | 5.5 | 5.7 |
| Q305 B | 8.6 | 8.2 | 8.3 | 8.5 | 9.8 |
| E | 7.9 | 7.6 | 7.7 | 7.9 | 9.1 |
| Q307 E | 1.4 | 1.1 | 1.2 | 1.4 | 2.7 |
| Q309 B | 1.4 | 1.1 | 1.2 | 1.4 | 2.6 |
| C | 0.1 | 0.2 | 0.1 | 0.1 | 0 |
| E | 0.7 | 1.7 | 1.8 | 0 | 1.8 |
| Q312 B | 0.7 | 1.7 | 1.8 | 0 | 1.8 |
| C | 8.2 | 8.6 | 8.3 | 8.3 | 8.1 |
| Q313 B | 8.2 | 8.6 | 8.3 | 8.2 | 8.1 |
| C | 3.3 | 2.9 | 3.1 | 3.2 | 3.3 |
| E | 8.8 | 9.3 | 9.0 | 8.9 | 8.7 |
| Q314 B | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| C | 0 | 0 | 0 | 0 | 0 |
| Q315 B | 3.3 | 2.9 | 3.1 | 3.2 | 3.3 |
| E | 3.9 | 3.5 | 3.8 | 3.8 | 4.0 |
| Q318 B | 12.1 | 11.7 | 11.9 | 12.1 | 12.1 |
| C | 1.0 | 1.2 | 1.0 | 1.0 | 0.9 |
| Q322 B | 2.4 | 2.3 | 2.3 | 5.6 | 2.4 |
| E | 1.8 | 1.8 | 1.8 | 5.0 | 1.8 |
| Q323 B | 5.0 | 0 | 0 | 0 | 0 |
| C | 0 | 3.5 | 3.5 | 3.5 | 3.6 |
| Q324 B | 4.1 | 0 | 0 | 0 | 0 |
| C | 0 | 0.8 | 0.8 | 0.8 | 0.9 |
| Q332 B | 4.9 | 0 | 4.9 | 0 | 0 |
| C | 0 | 4.4 | 0 | 4.3 | 4.4 |
| Q333 B | 1.7 | 1.9 | 1.8 | 1.7 | 1.7 |
| E | 1.5 | 1.7 | 1.5 | 1.5 | 1.4 |
| Q336 G | 4.7 | 4.6 | 4.7 | 4.2 | 4.8 |
| D | 4.3 | 4.3 | 4.3 | 4.5 | 4.3 |
| Q339 B | 12.3 | 12.5 | 12.4 | 12.5 | 12.3 |
| Q354 B | 12.0 | 0 | 0 | 0 | 0 |
| E | 12.0 | 0 | 0 | 0 | -0.2 |
| Q358 E | 2.2 | 0 | 2.2 | 2.2 | 2.2 |
| Q360 1 | 6.2 | 6.2 | 6.3 | 6.1 | 6.4 |
| 3 | 6.2 | 6.2 | 6.3 | 6.0 | 6.4 |
| 5 | 1.3 | 2.2 | 4.1 | 5.3 | 3.8 |
| Q362 C | 9.0 | 9.0 | 9.5 | 9.2 | 8.5 |
| Q364 C | 3.3 | 2.9 | 2.9 | 2.8 | 2.9 |
| Q365 B | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 |
| Q369 B | 0.8 | 0.8 | 0.8 | 0.9 | 4.9 |
| Q372 B | 0 | 0 | 0 | 0 | 4.9 |
| C | 11.7 | 11.8 | 11.8 | 11.7 | 0 |

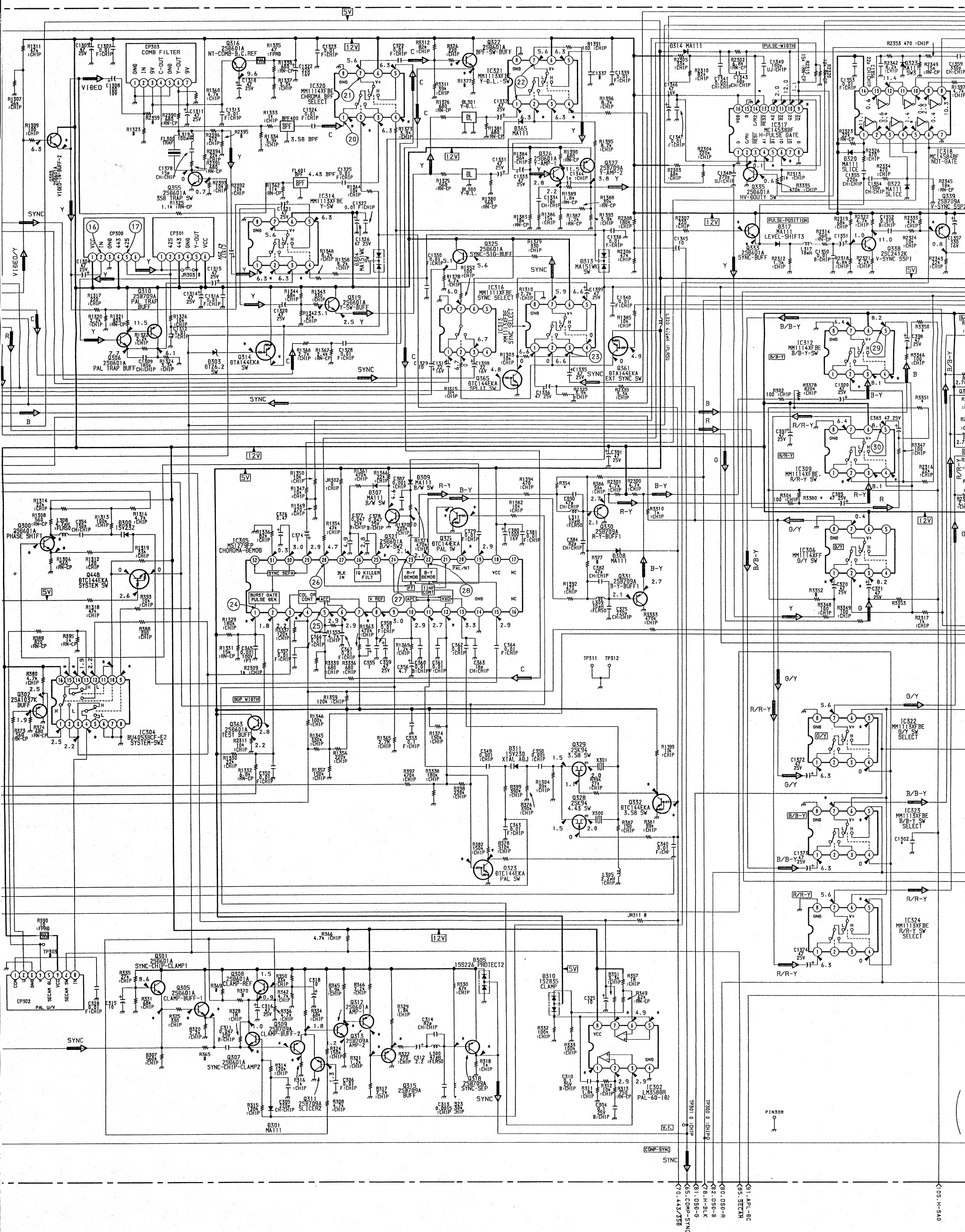
A (2/3) BOARD * MARK LIST

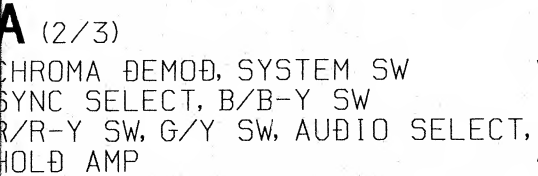
| | 20INCH MODEL | 14INCH MODEL |
|-------|--------------|--------------|
| C1302 | 390p :CHIP | 470p CH:CHIP |
| Q373 | DTC144EKA | # |
| R354 | 820k :CHIP | 1.2M :CHIP |
| R2357 | # | 56k :CHIP |
| R2367 | 100k :CHIP | 120k :CHIP |
| R3350 | 330k :CHIP | 820k :CHIP |
| R3351 | 560k :CHIP | 820k :CHIP |
| R3353 | 390k :CHIP | # |
| R3365 | 120k :CHIP | # |
| R3366 | 68k :CHIP | # |
| R3367 | 68k :CHIP | # |
| R3368 | 22k :CHIP | # |
| R3369 | 47k :CHIP | # |
| R3380 | 1M :CHIP | # |
| R3398 | 36k RN-CP | 27k :RN-CP |

A (2/3) BOARD WAVEFORMS

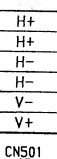




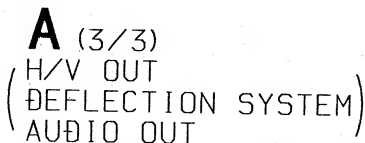


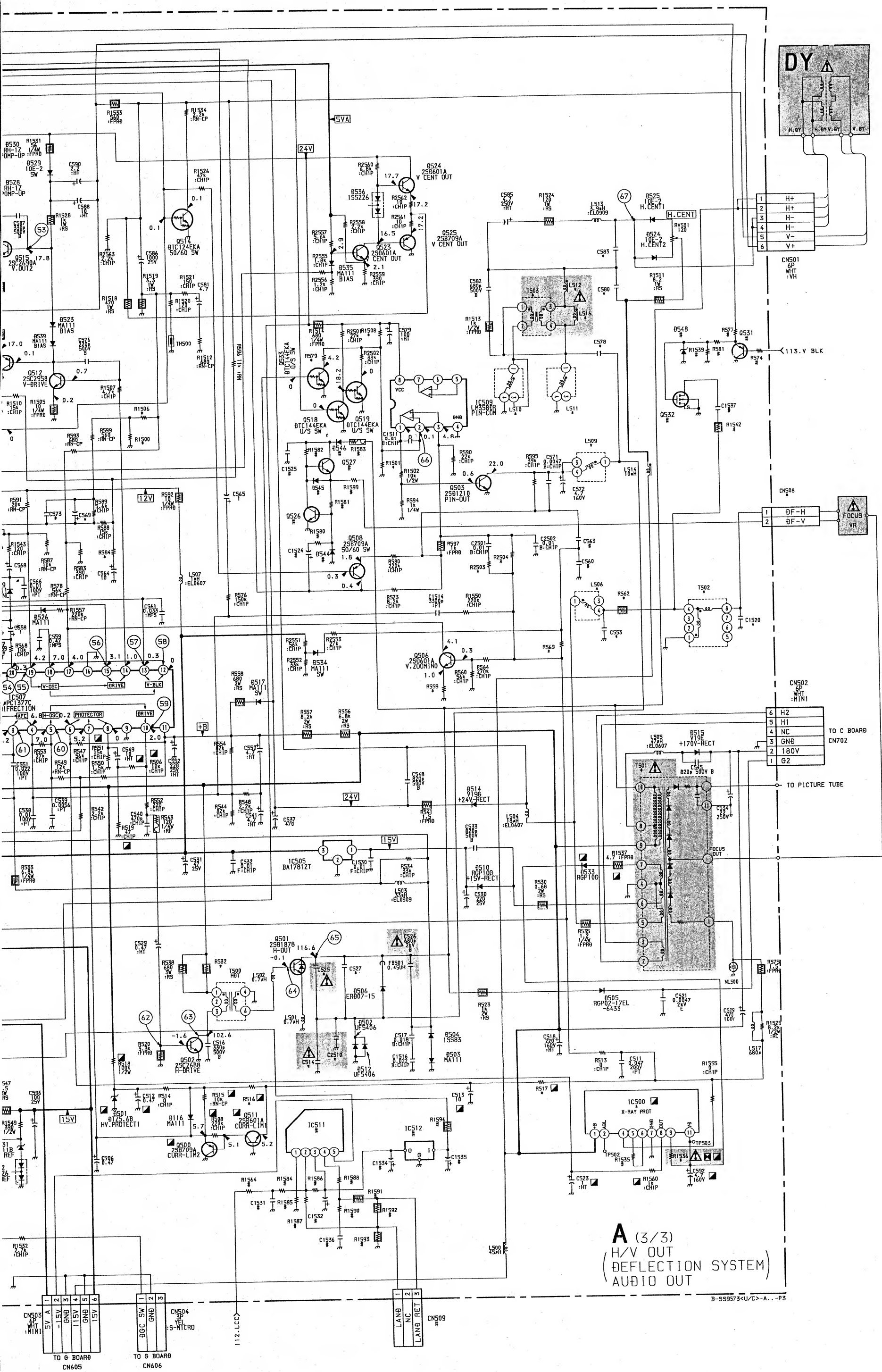


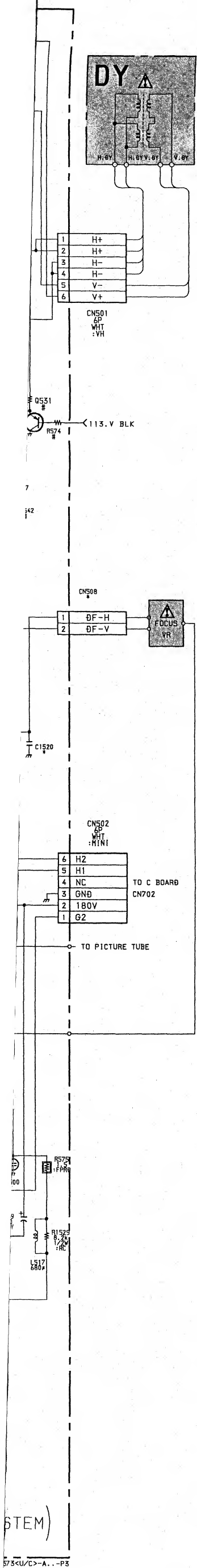




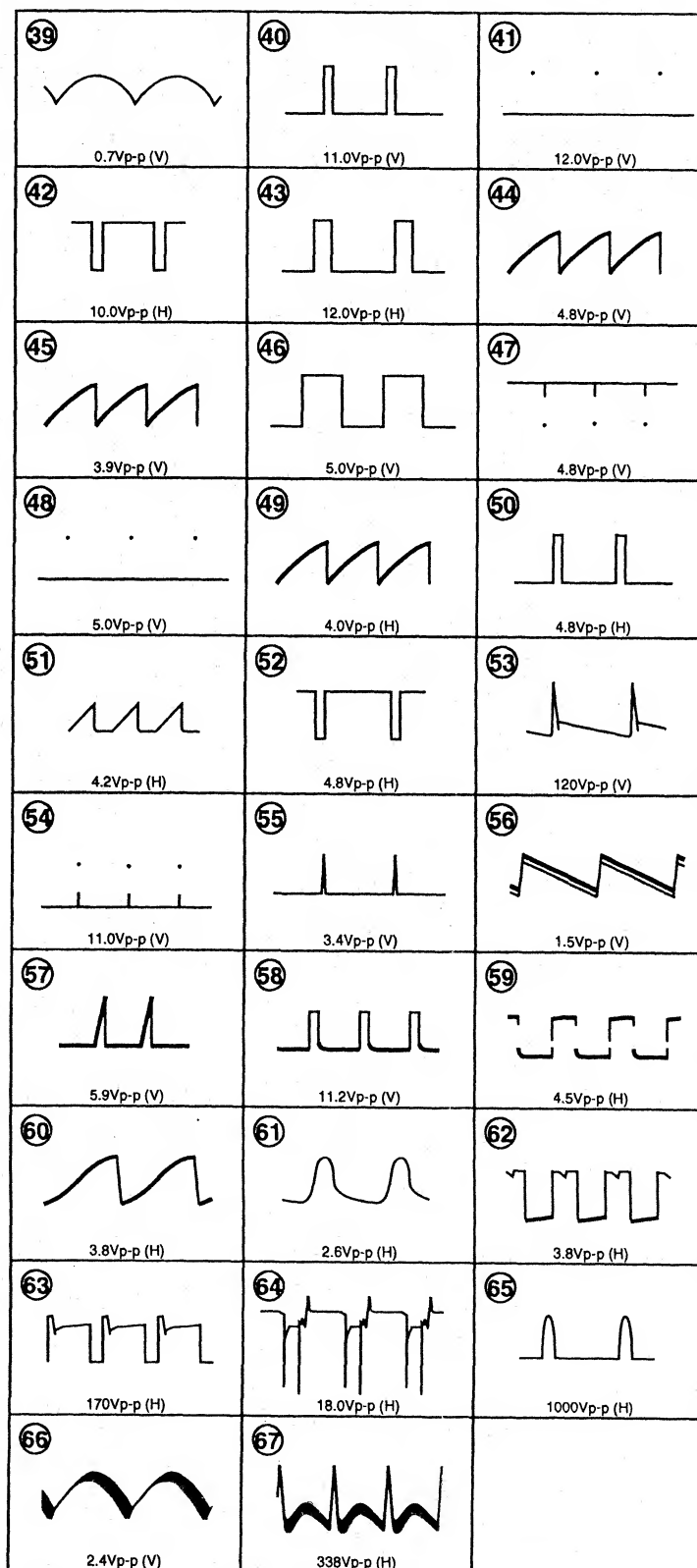
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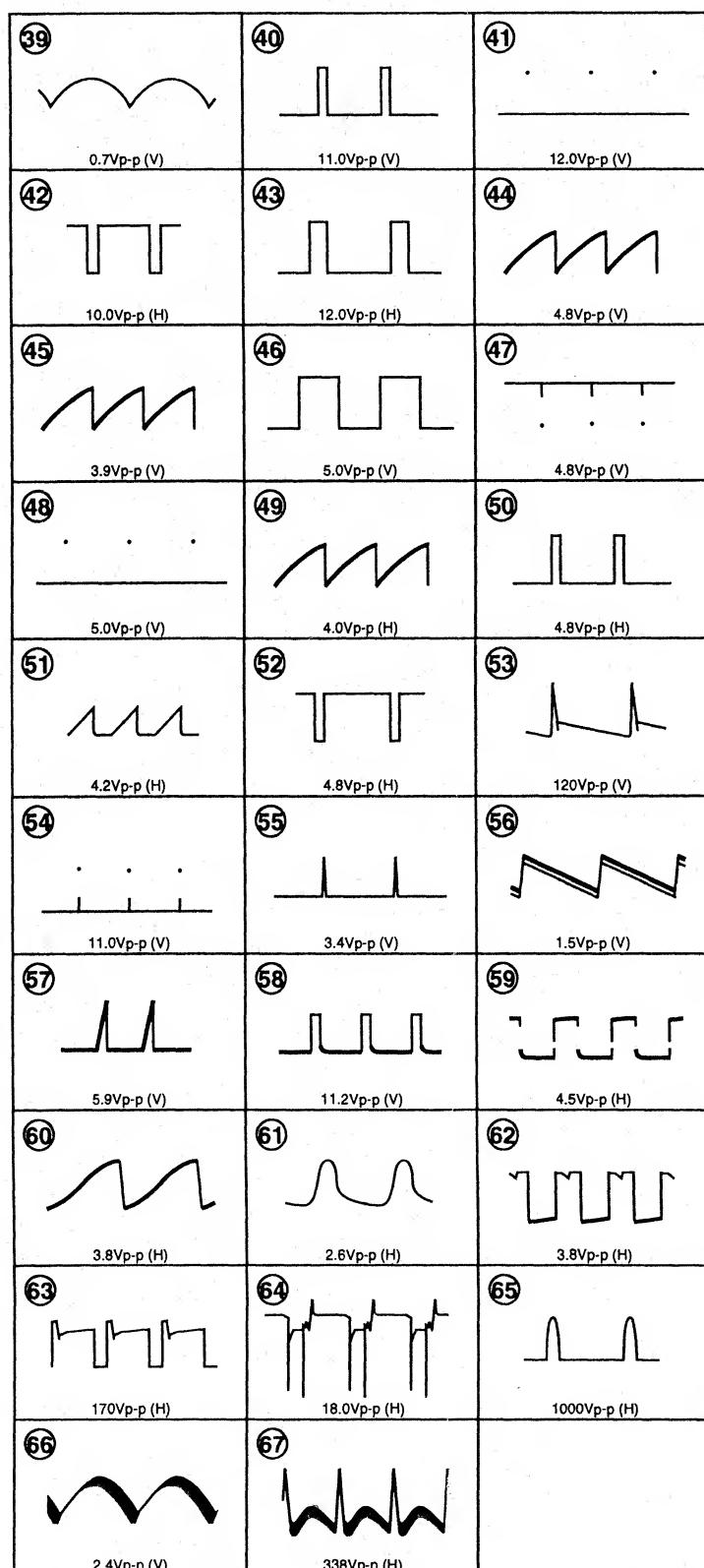
A (3/3) BOARD WAVEFORMS



A (3/3) BOARD * MARK LIST

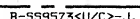
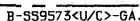
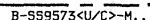
| | 20INCH MODEL | 14INCH MC |
|-------|-----------------|----------------|
| C514 | 0.022 630V :PP | 0.01 630V :PP |
| C525 | 0.012 2kV :PP | 0.01 2kV :PP |
| C527 | # | 470p 2kV |
| C553 | 0.082 200V :PT | # |
| C569 | 3.3 25V :TA | 4.7 25V :TA |
| C573 | 1 :MPS | 0.47 :MPS |
| C578 | 1.0 200V :PP | 1.4 200V :PP |
| C580 | 0.33 200V :PP | 0.24 200V :PP |
| C583 | 1.5 200V :PP | 1.8 200V :PP |
| C1520 | 150p 2kV B | # |
| C2510 | # | 0.0015 630V :P |
| CN508 | 2P WHT :MINI | # |
| IC500 | H8D7249 | H8D7248 |
| L506 | COIL, DUST CORE | # |
| L509 | HCC | DYNAMIC CONV |
| L510 | :PMC | # |
| L511 | # | COIL |
| L512 | 90μH | 45μH |
| L516 | # | :HLC |
| Q2501 | 2SD601A | # |
| R516 | 100k :CHIP | 180k :CHIP |
| R517 | 20k 1/2W :RN | 10k 1/2W :RN |
| R532 | 680 3W :RS | 3.3k 3W :RS |
| R559 | 330k :CHIP | 220k :CHIP |
| R562 | 22 1/4W :FPRD | # |
| R569 | 47k 1/2W | 18k 1/2W |
| R579 | 15k :CHIP | 22k :CHIP |
| R584 | 10k :CHIP | 8.2k :CHIP |
| R1500 | 820 :RN-CP | 680 :RN-CP |
| R1501 | 8.2k :CHIP | 12k :CHIP |
| R1506 | 470 :CHIP | 220 :CHIP |
| R1508 | 39k :CHIP | 27k :CHIP |
| R1536 | 62k :RN-CP | 75k :RN-CP |
| R2503 | 100k :CHIP | 47k :CHIP |
| R2504 | 150k :CHIP | 100k :CHIP |
| R2505 | 470k :CHIP | # |
| R2506 | 120k :CHIP | # |
| R2507 | 220k :CHIP | # |
| T501 | 1-453-234-11 | 1-453-233-11 |
| T502 | DFT | # |
| T503 | HLC | # |

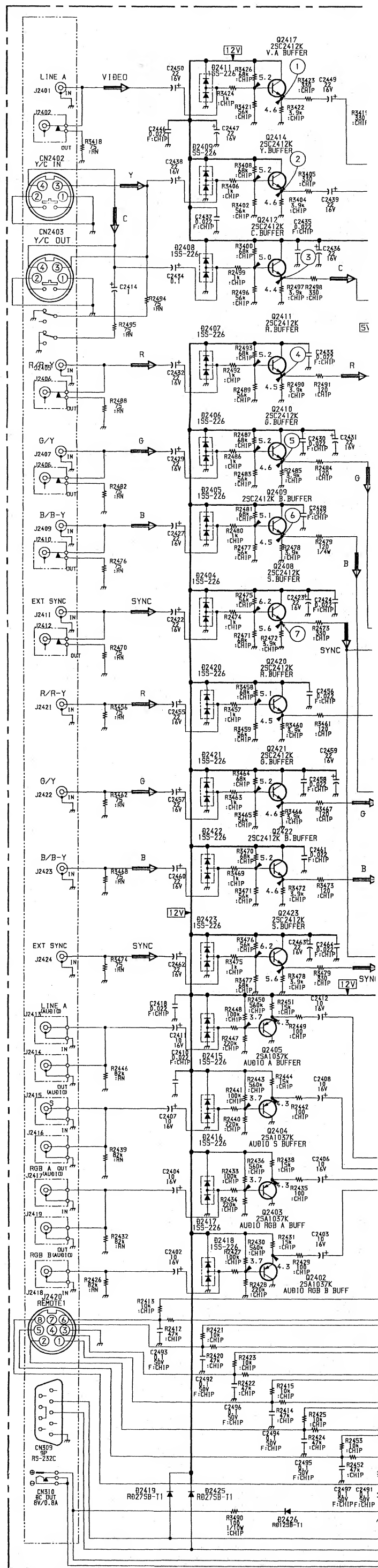
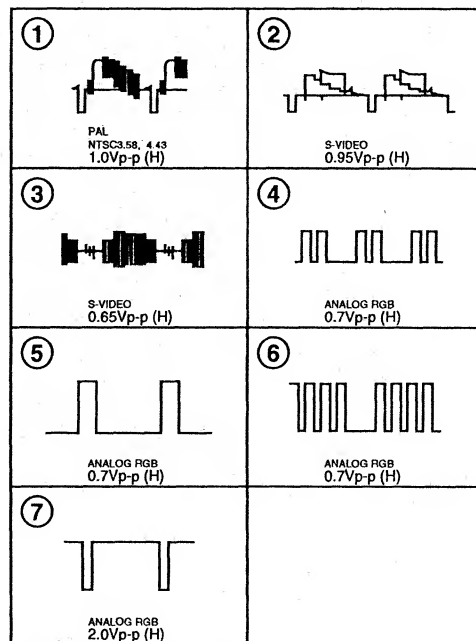
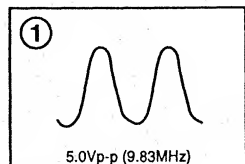
A (3/3) BOARD WAVEFORMS



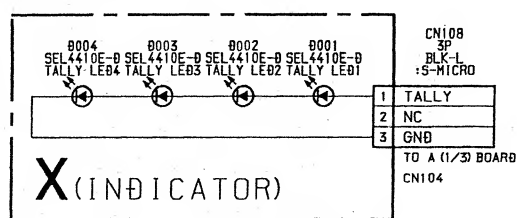
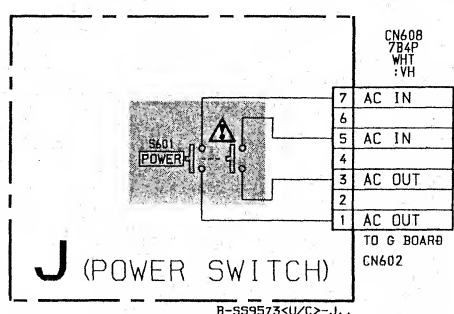
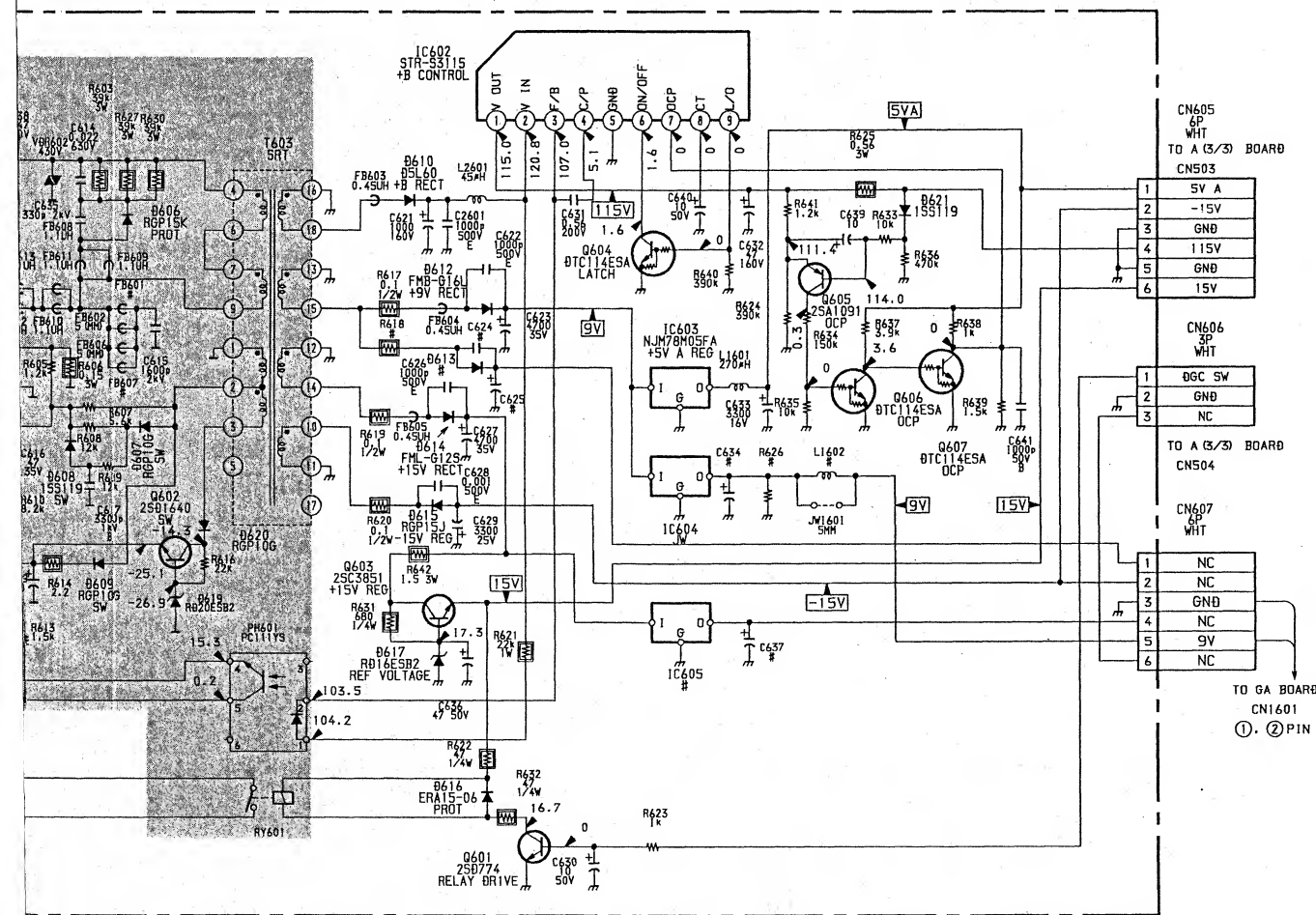
A (3/3) BOARD * MARK LIST

| | 20INCH MODEL | 14INCH MODEL |
|-------|-----------------|--------------------|
| C514 | 0.022 630V :PP | 0.01 630V :PP |
| C525 | 0.012 2kV :PP | 0.01 2kV :PP |
| C527 | # | 470p 2kV |
| C553 | 0.082 200V :PT | # |
| C569 | 3.3 25V :TA | 4.7 25V :TA |
| C573 | 1 :MPS | 0.47 :MPS |
| C578 | 1.0 200V :PP | 1.4 200V :PP |
| C580 | 0.33 200V :PP | 0.24 200V :PP |
| C583 | 1.5 200V :PP | 1.8 200V :PP |
| C1520 | 150p 2kV B | # |
| C2510 | # | 0.0015 630V :PP |
| CN508 | 2P WHT :MINI | # |
| IC500 | H8D7249 | H8D7248 |
| L506 | COIL, DUST CORE | # |
| L509 | HCC | DYNAMIC CONVERSION |
| L510 | :PMC | # |
| L511 | # | COIL |
| L512 | 90μH | 45μH |
| L516 | # | :HLC |
| Q2501 | 2SD601A | # |
| R516 | 100k :CHIP | 180k :CHIP |
| R517 | 20k 1/2W :RN | 10k 1/2W :RN |
| R532 | 680 3W :RS | 3.3k 3W :RS |
| R559 | 330k :CHIP | 220k :CHIP |
| R562 | 22 1/4W :FPRD | # |
| R569 | 47k 1/2W | 18k 1/2W |
| R579 | 15k :CHIP | 22k :CHIP |
| R584 | 10k :CHIP | 8.2k :CHIP |
| R1500 | 820 :RN-CP | 680 :RN-CP |
| R1501 | 8.2k :CHIP | 12k :CHIP |
| R1506 | 470 :CHIP | 220 :CHIP |
| R1508 | 39k :CHIP | 27k :CHIP |
| R1536 | 62k :RN-CP | 75k :RN-CP |
| R2503 | 100k :CHIP | 47k :CHIP |
| R2504 | 150k :CHIP | 100k :CHIP |
| R2505 | 470k :CHIP | # |
| R2506 | 120k :CHIP | # |
| R2507 | 220k :CHIP | # |
| T501 | 1-453-234-11 | 1-453-233-11 |
| T502 | DFT | # |
| T503 | HLC | # |

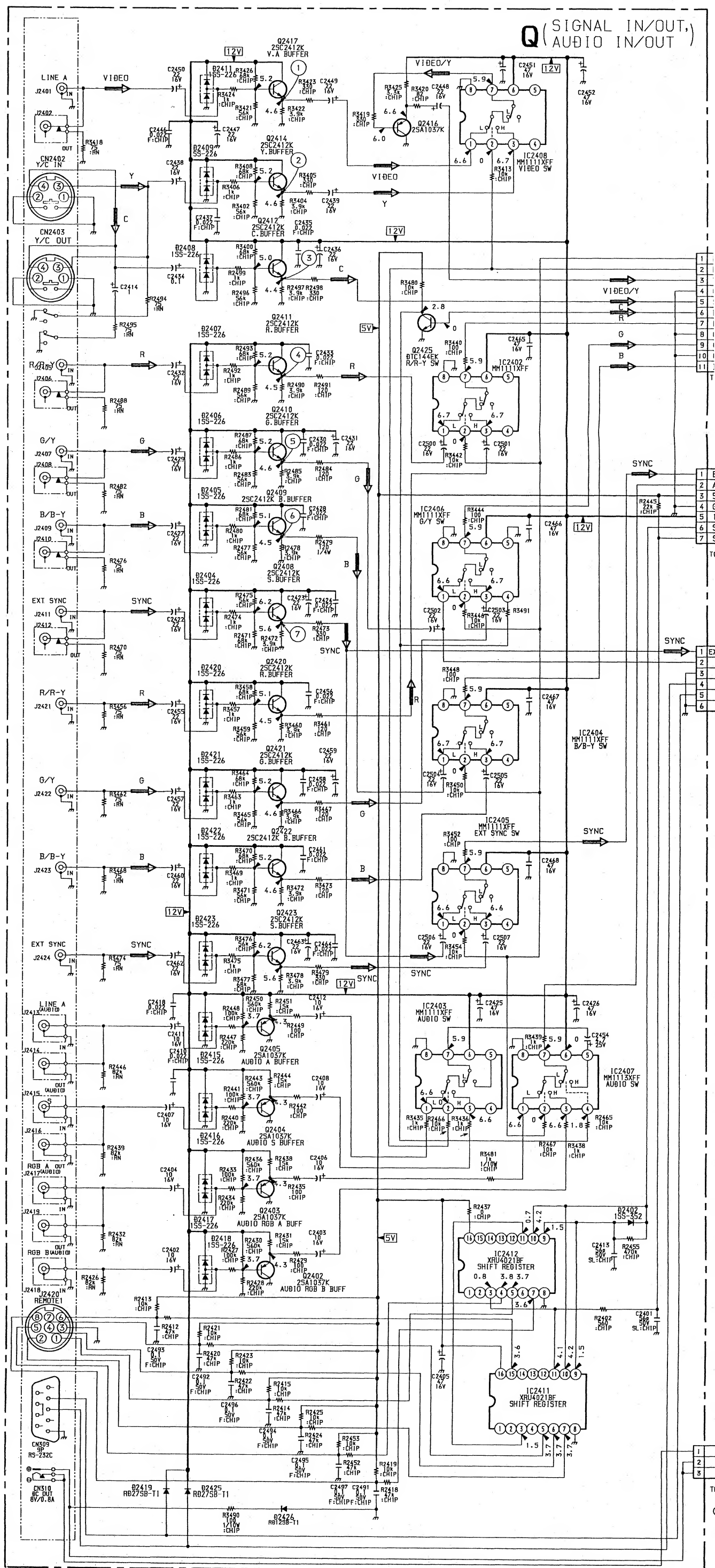
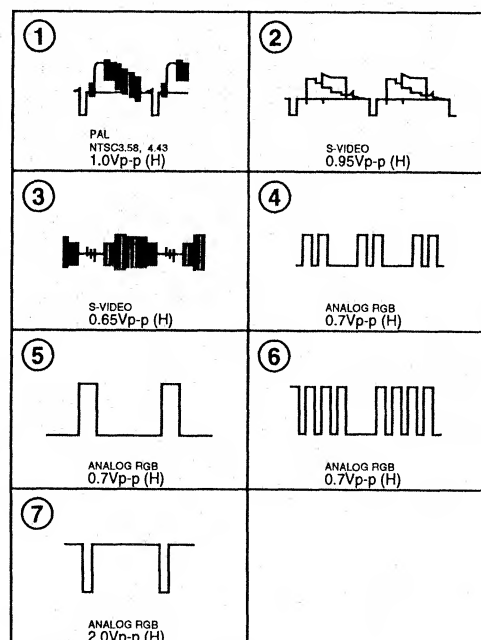


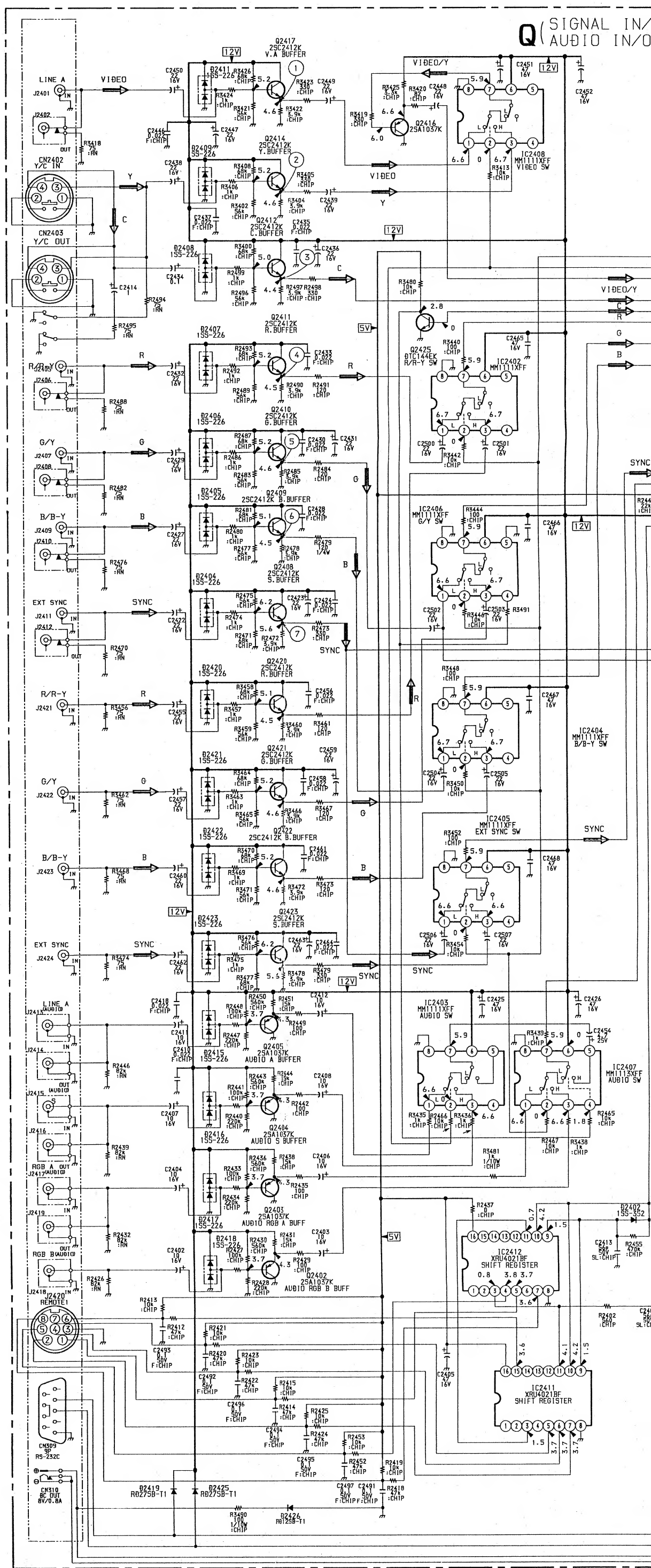
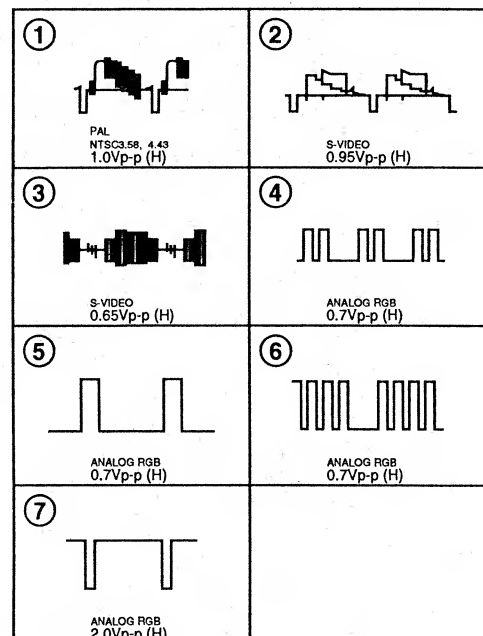


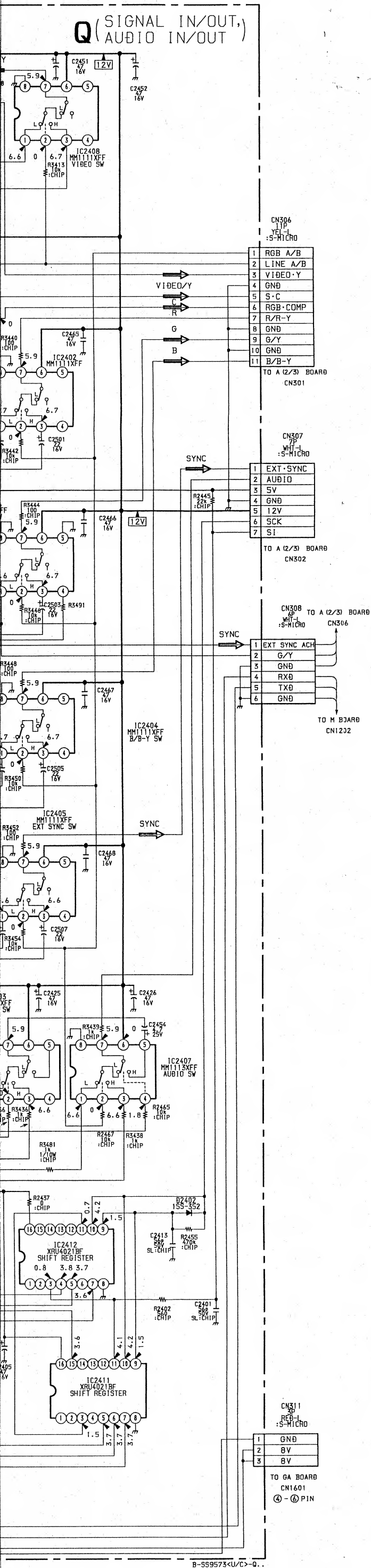
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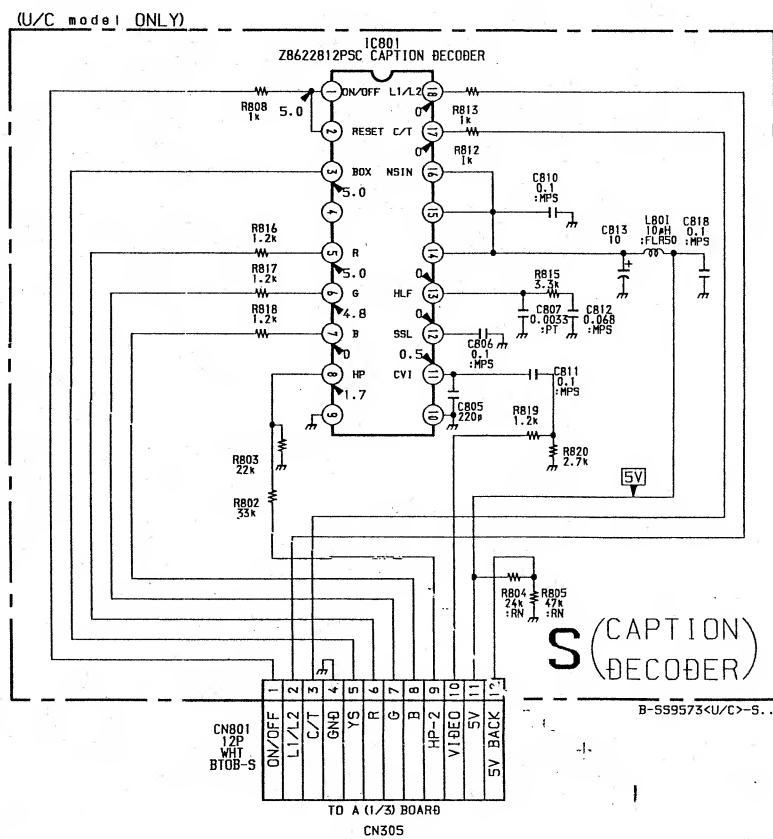
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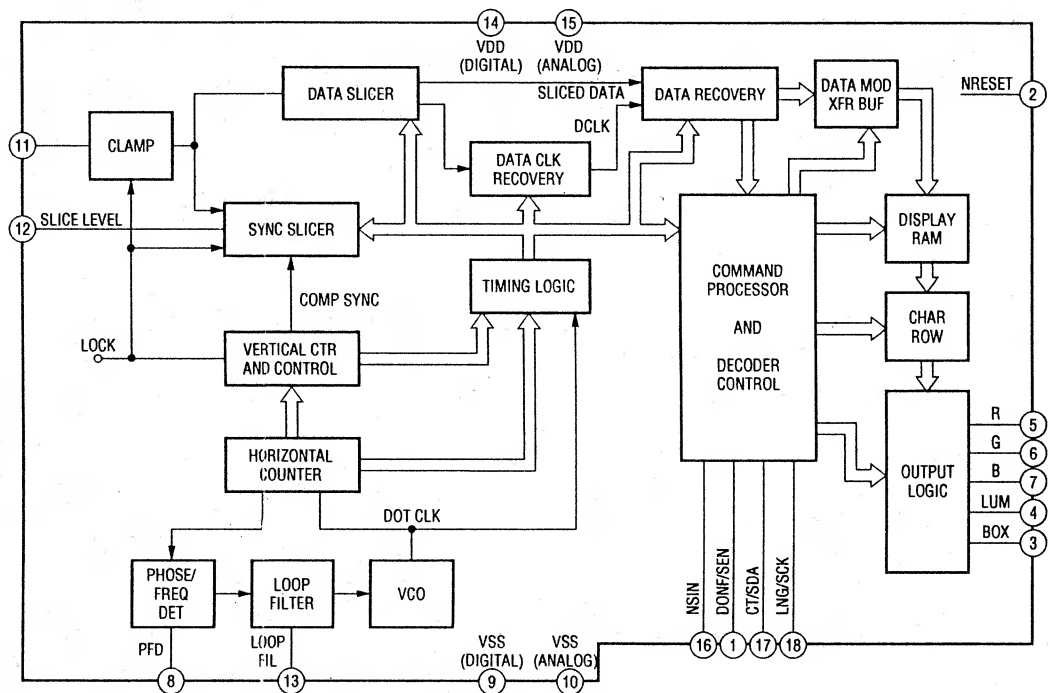




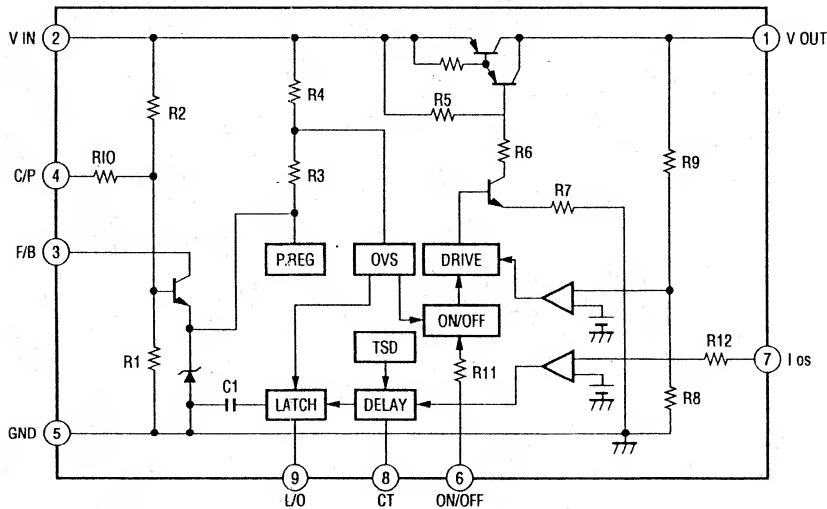
U/C MODEL ONLY



S BOARD IC801 Z8622812PSC



G BOARD IC602 STR-S3115



G [POWER SUPPLY]

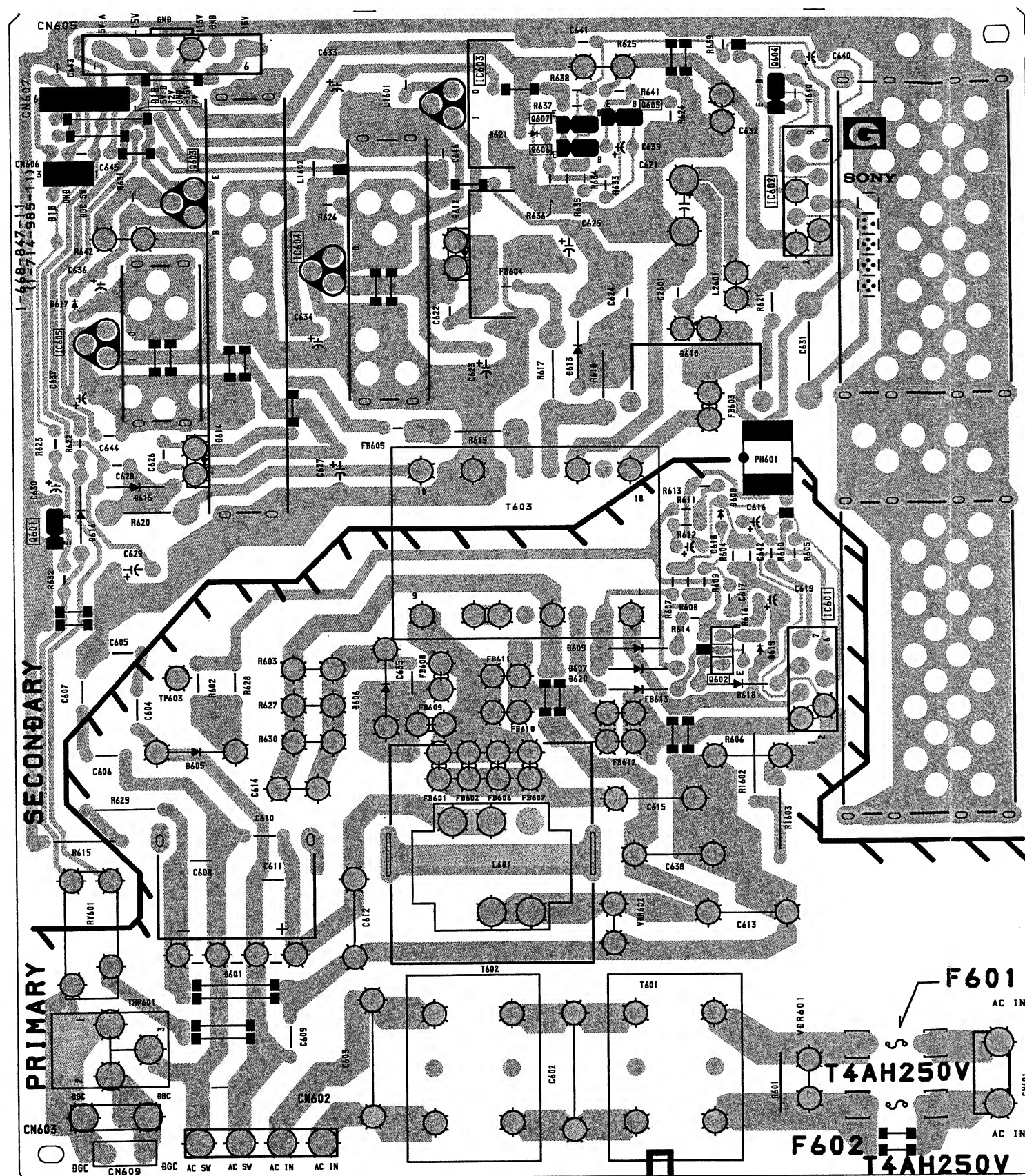
GA [+8V REG]

J [POWER SWITCH]

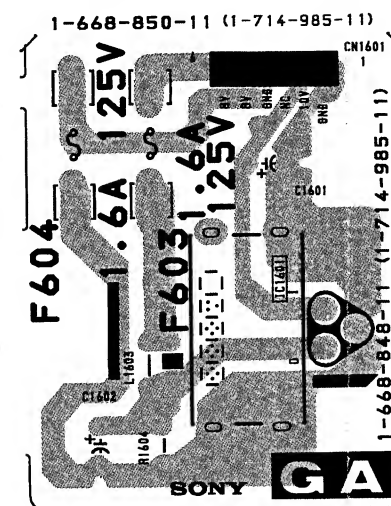
X [INDICATOR]

M [S

– G BOARD –



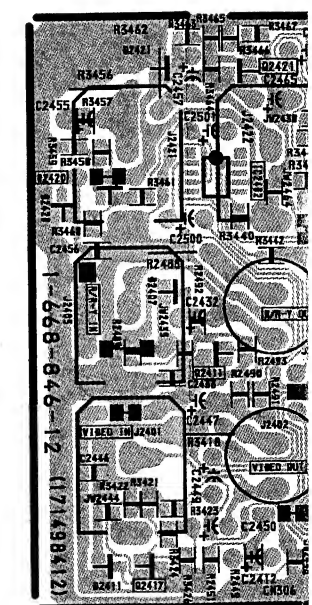
– GA BOARD –



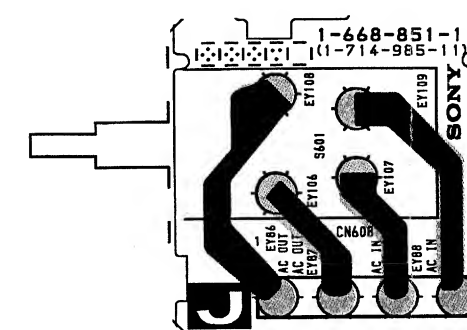
– M BQ



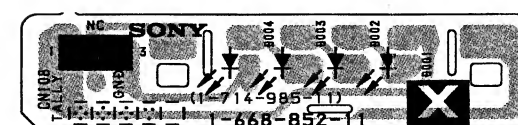
- Q BOARD -



- J BOARD -



- X BOARD -



GA

[+8V REG]

J

[POWER SWITCH]

X

[INDICATOR]

M

[SERIAL REMOTE]

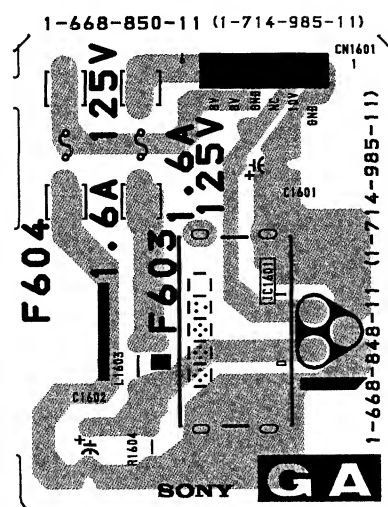
Q

[SIGNAL IN/OUT, AUDIO IN/OUT]

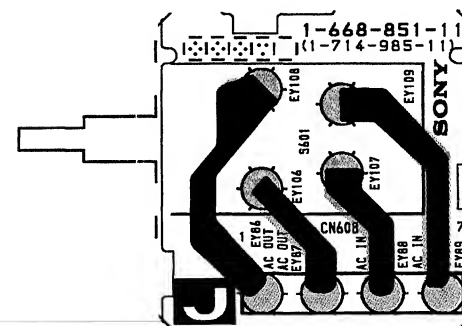
S

[CAPTION DECODER]

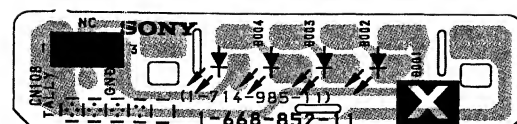
— GA BOARD —



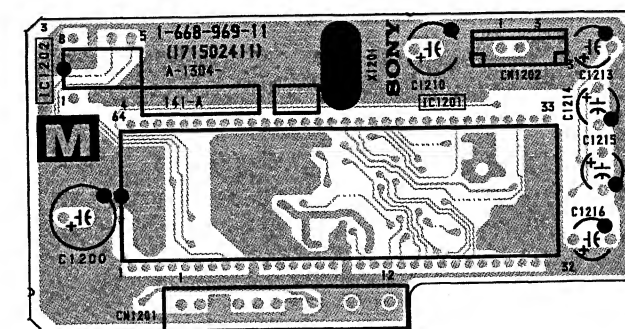
— J BOARD —



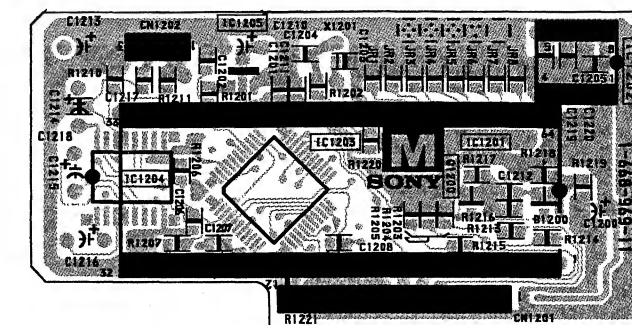
— X BOARD —



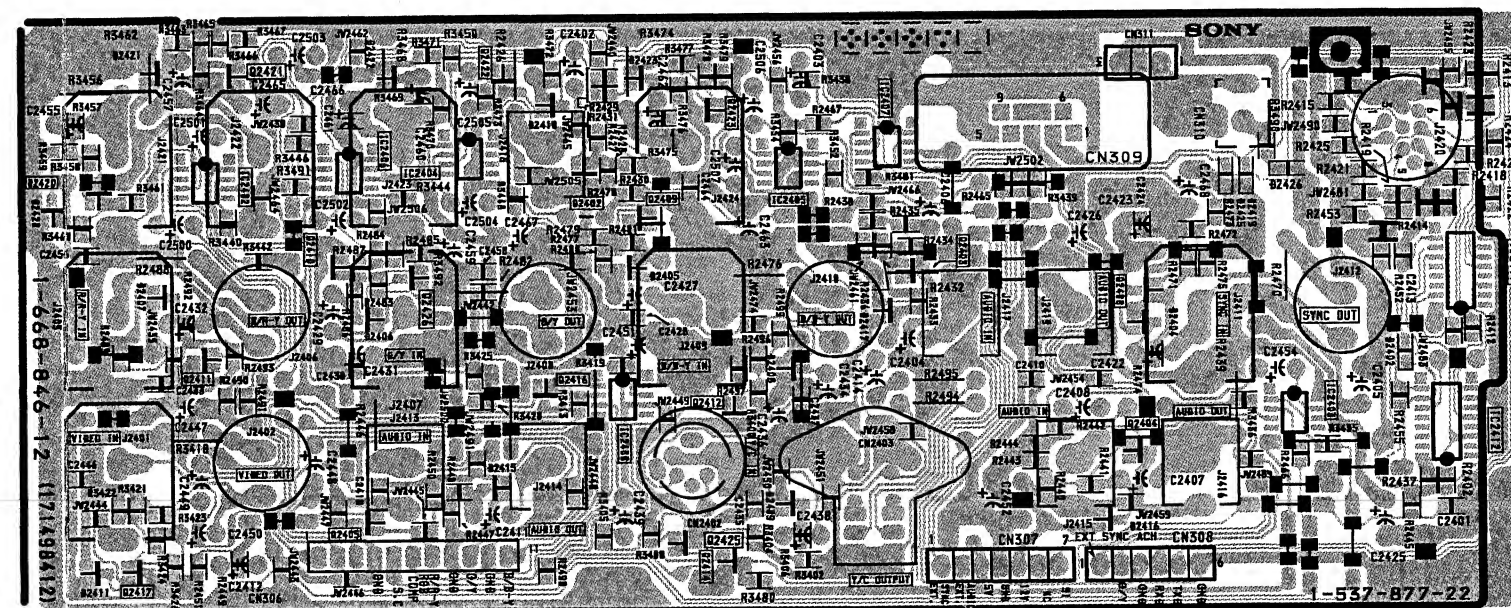
— M BOARD — <A Side>



<B Side>

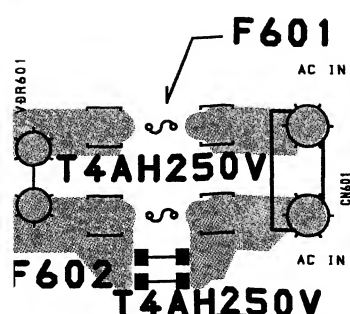
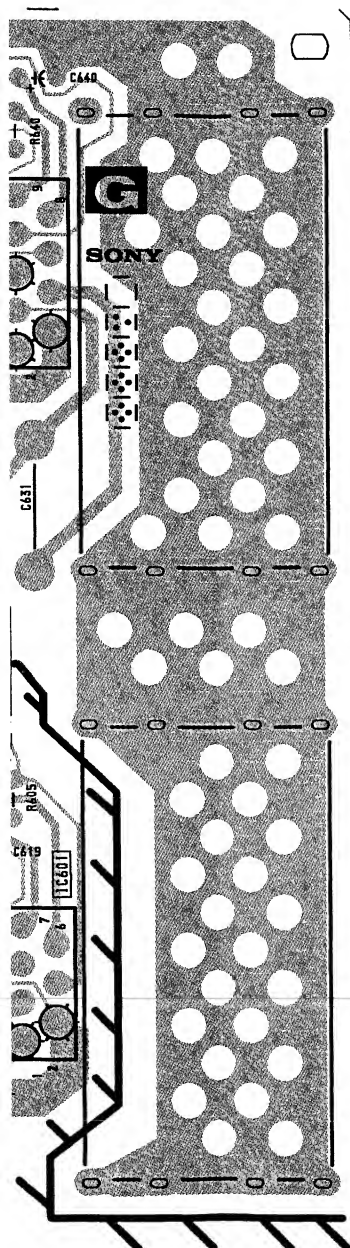
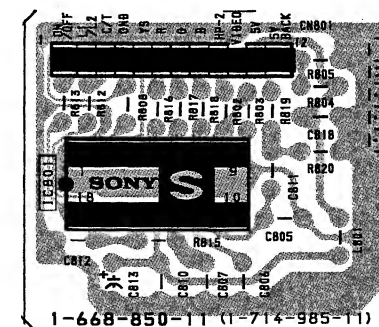


— Q BOARD —



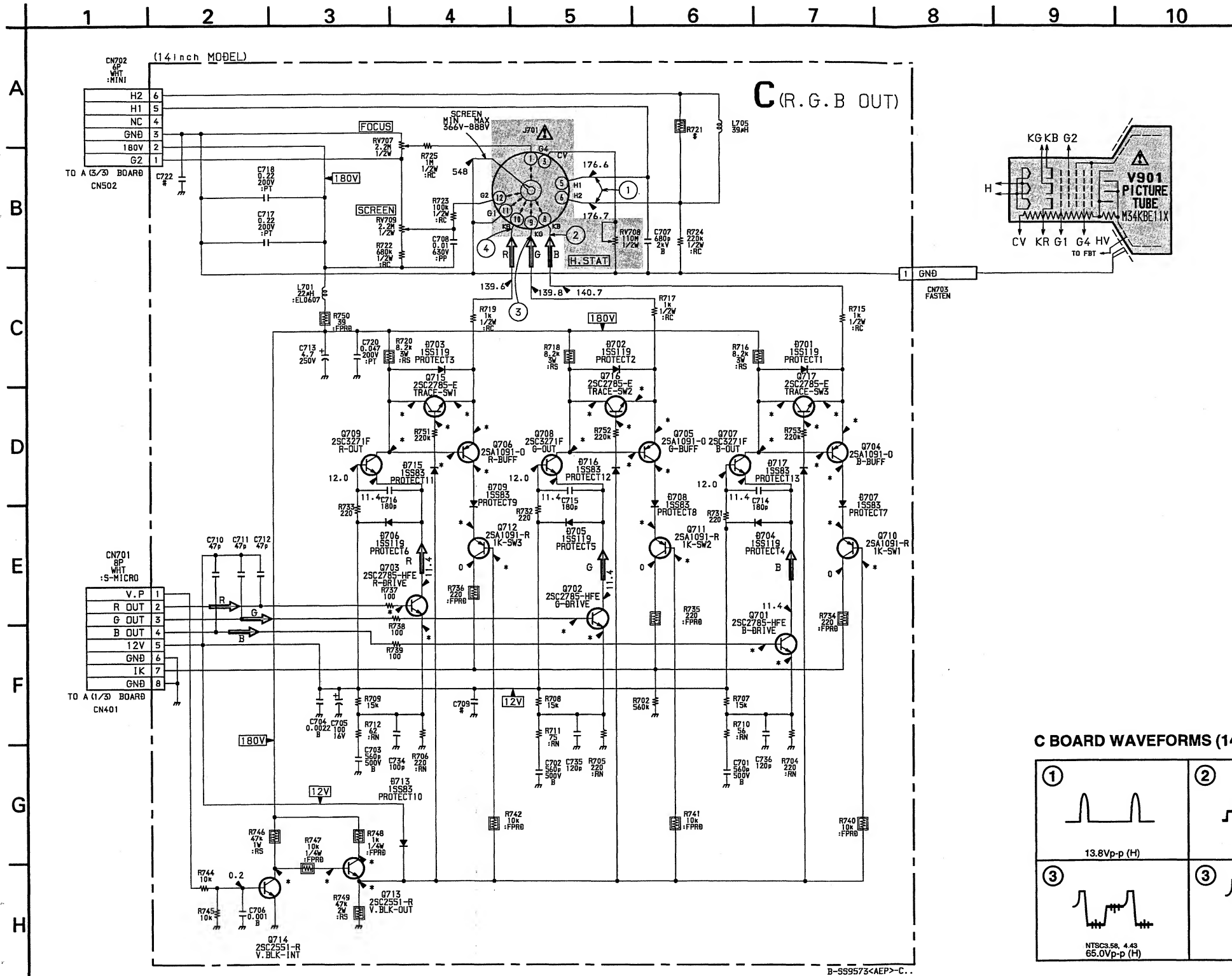
— S BOARD —

U/C MODEL ONLY



Schematic diagram

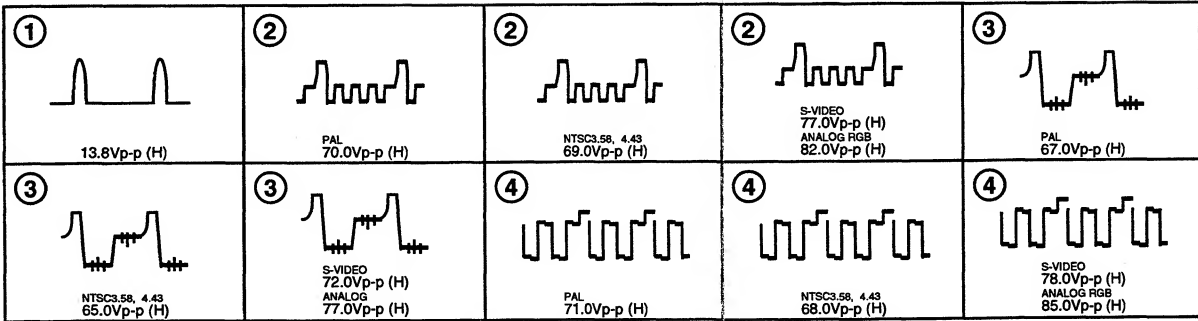
board (14inch) →



C BOARD * MARK VOLTAGE (14inch)

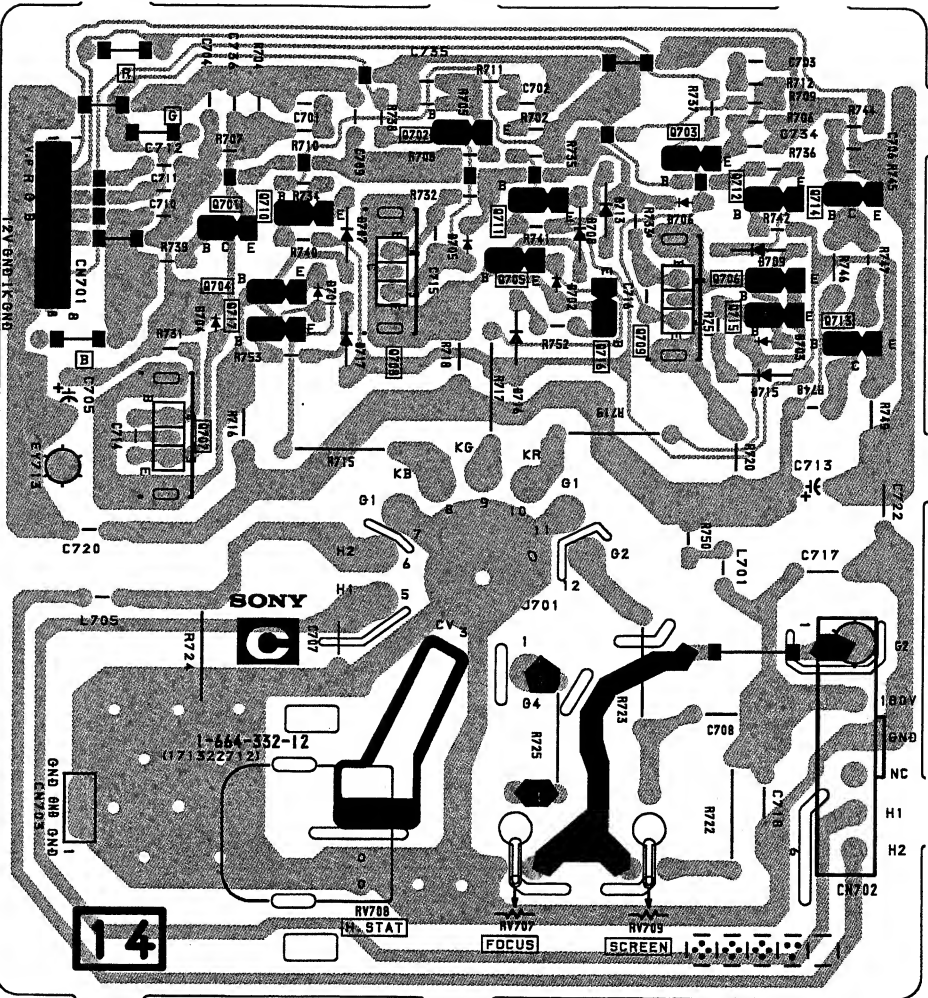
| | PAL | NTSC 3.58 | NTSC 4.43 | S-VIDEO | ANALOG RGB |
|--------|-------|-----------|-----------|---------|------------|
| Q701 B | 2.0 | 1.73 | 1.8 | 1.8 | 2.0 |
| E | 1.4 | 1.1 | 1.1 | 1.2 | 1.4 |
| Q702 B | 2.0 | 1.7 | 1.7 | 1.8 | 2.0 |
| E | 1.5 | 1.1 | 1.1 | 1.2 | 1.4 |
| Q703 B | 1.9 | 1.6 | 1.6 | 1.8 | 1.9 |
| E | 1.3 | 1.0 | 1.0 | 1.2 | 1.3 |
| Q704 B | 143.6 | 153.9 | 153.4 | 144.9 | 143.8 |
| C | 129.0 | 135.4 | 134.5 | 31.2 | 111.5 |
| E | 139.7 | 150.3 | 149.6 | 140.4 | 140.1 |
| Q705 B | 141.7 | 154.9 | 154.2 | 145.0 | 141.8 |
| C | 124.9 | 132.3 | 130.4 | 60.4 | 106.6 |
| E | 138.3 | 151.3 | 150.6 | 140.7 | 138.5 |
| Q706 B | 149.7 | 160.4 | 159.8 | 144.9 | 148.6 |
| C | 134.5 | 141.2 | 141.1 | 103.2 | 114.7 |
| E | 146.2 | 157.1 | 156.4 | 140.8 | 145.0 |
| Q707 C | 143.8 | 154.0 | 153.4 | 144.9 | 143.7 |
| Q708 C | 141.9 | 155.2 | 154.3 | 145.0 | 141.8 |
| Q709 C | 149.8 | 160.6 | 159.9 | 144.9 | 148.5 |
| Q710 B | 172.8 | 174.3 | 173.9 | 167.0 | 173.5 |
| E | 160.9 | 162.9 | 162.2 | 154.0 | 161.2 |
| Q711 B | 172.8 | 174.3 | 173.9 | 167.0 | 173.5 |
| E | 160.6 | 162.3 | 161.8 | 154.1 | 161.3 |
| Q712 B | 172.9 | 174.0 | 174.2 | 167.0 | 173.5 |
| E | 161.6 | 164.1 | 164.8 | 154.5 | 161.4 |
| Q713 B | 172.8 | 173.9 | 173.9 | 166.8 | 173.5 |
| C | 184.2 | 184.7 | 184.6 | 176.6 | 183.8 |
| E | 173.3 | 174.3 | 174.3 | 167.2 | 173.9 |
| Q714 C | 173.6 | 174.5 | 174.4 | 167.4 | 174.1 |
| Q715 B | 146.7 | 157.6 | 157.0 | 140.3 | 145.7 |
| C | 149.5 | 160.6 | 159.9 | 144.9 | 148.5 |
| E | 146.1 | 157.2 | 156.5 | 140.7 | 145.0 |
| Q716 B | 139.2 | 152.5 | 151.5 | 140.7 | 139.4 |
| C | 141.7 | 155.2 | 154.2 | 145.1 | 141.8 |
| E | 138.2 | 151.4 | 150.5 | 140.6 | 138.4 |
| Q717 B | 140.9 | 151.7 | 150.8 | 140.6 | 141.2 |
| C | 143.6 | 154.1 | 153.4 | 144.9 | 143.8 |
| E | 139.8 | 150.5 | 149.6 | 140.4 | 140.0 |

C BOARD WAVEFORMS (14inch)



C [R.G.B OUT]

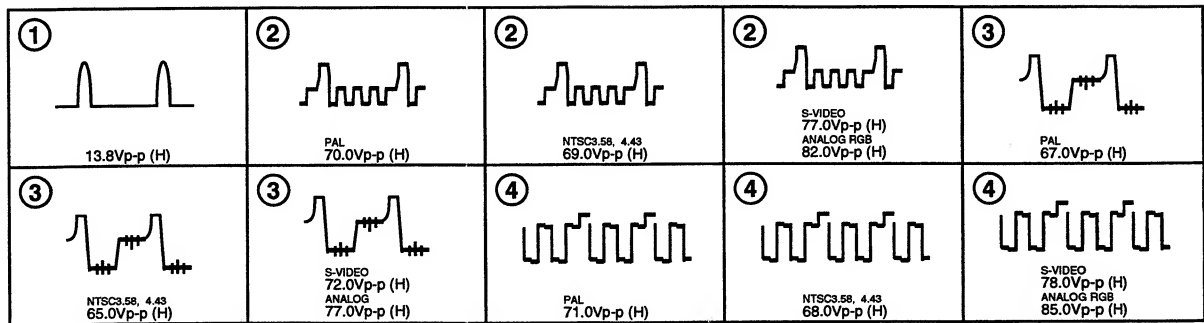
- C BOARD -

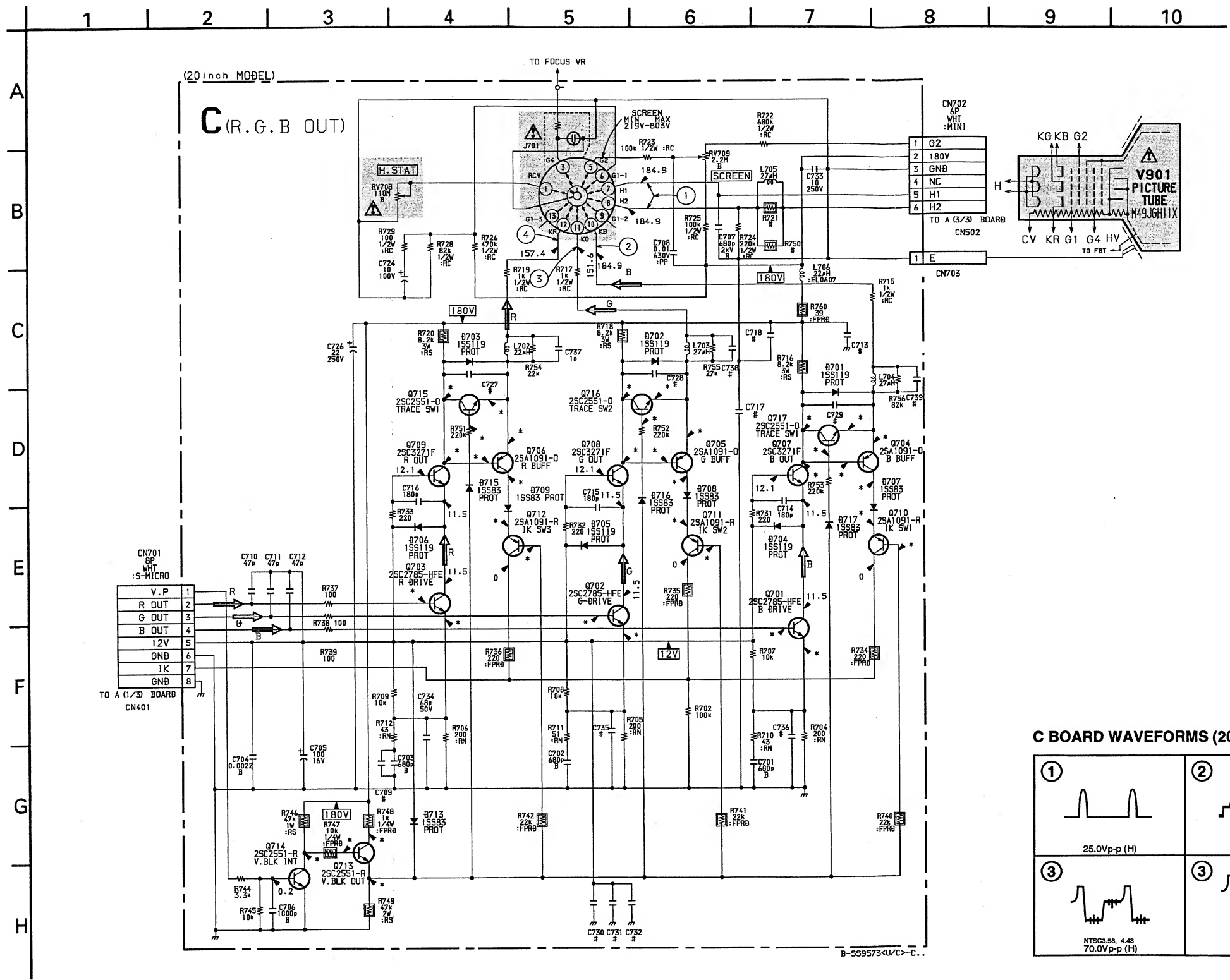


C BOARD * MARK VOLTAGE (14inch)

| | | PAL | NTSC 3.58 | NTSC 4.43 | S-VIDEO | ANALOG RGB |
|------|---|-------|--------------|--------------|---------|---------------|
| Q701 | B | 2.0 | 1.73 | 1.8 | 1.8 | 2.0 |
| | E | 1.4 | 1.1 | 1.1 | 1.2 | 1.4 |
| Q702 | B | 2.0 | 1.7 | 1.7 | 1.8 | 2.0 |
| | E | 1.5 | 1.1 | 1.1 | 1.2 | 1.4 |
| Q703 | B | 1.9 | 1.6 | 1.6 | 1.8 | 1.9 |
| | E | 1.3 | 1.0 | 1.0 | 1.2 | 1.3 |
| Q704 | B | 143.6 | 153.9 | 153.4 | 144.9 | 143.8 |
| | C | 129.0 | 135.4 | 134.5 | 31.2 | 111.5 |
| | E | 139.7 | 150.3 | 149.6 | 140.4 | 140.1 |
| Q705 | B | 141.7 | 154.9 | 154.2 | 145.0 | 141.8 |
| | C | 124.9 | 132.3 | 130.4 | 60.4 | 106.6 |
| | E | 138.3 | 151.3 | 150.6 | 140.7 | 138.5 |
| Q706 | B | 149.7 | 160.4 | 159.8 | 144.9 | 148.6 |
| | C | 134.5 | 141.2 | 141.1 | 103.2 | 114.7 |
| | E | 146.2 | 157.1 | 156.4 | 140.8 | 145.0 |
| Q707 | C | 143.8 | 154.0 | 153.4 | 144.9 | 143.7 |
| Q708 | C | 141.9 | 155.2 | 154.3 | 145.0 | 141.8 |
| Q709 | C | 149.8 | 160.6 | 159.9 | 144.9 | 148.5 |
| Q710 | B | 172.8 | 174.3 | 173.9 | 167.0 | 173.5 |
| | E | 160.9 | 162.9 | 162.2 | 154.0 | 161.2 |
| Q711 | B | 172.8 | 174.3 | 173.9 | 167.0 | 173.5 |
| | E | 160.6 | 162.3 | 161.8 | 154.1 | 161.3 |
| Q712 | B | 172.9 | 174.0 | 174.2 | 167.0 | 173.5 |
| | E | 161.6 | 164.1 | 164.8 | 154.5 | 161.4 |
| Q713 | B | 172.8 | 173.9 | 173.9 | 166.8 | 173.5 |
| | C | 184.2 | 184.7 | 184.6 | 176.6 | 183.8 |
| | E | 173.3 | 174.3 | 174.3 | 167.2 | 173.9 |
| Q714 | C | 173.6 | 174.5 | 174.4 | 167.4 | 174.1 |
| Q715 | B | 146.7 | 157.6 | 157.0 | 140.3 | 145.7 |
| | C | 149.5 | 160.6 | 159.9 | 144.9 | 148.5 |
| | E | 146.1 | 157.2 | 156.5 | 140.7 | 145.0 |
| Q716 | B | 139.2 | 152.5 | 151.5 | 140.7 | 139.4 |
| | C | 141.7 | 155.2 | 154.2 | 145.1 | 141.8 |
| | E | 138.2 | 151.4 | 150.5 | 140.6 | 138.4 |
| Q717 | B | 140.9 | 151.7 | 150.8 | 140.6 | 141.2 |
| | C | 143.6 | 154.1 | 153.4 | 144.9 | 143.8 |
| | E | 139.8 | 150.5 | 149.6 | 140.4 | 140.0 |

C BOARD WAVEFORMS (14inch)

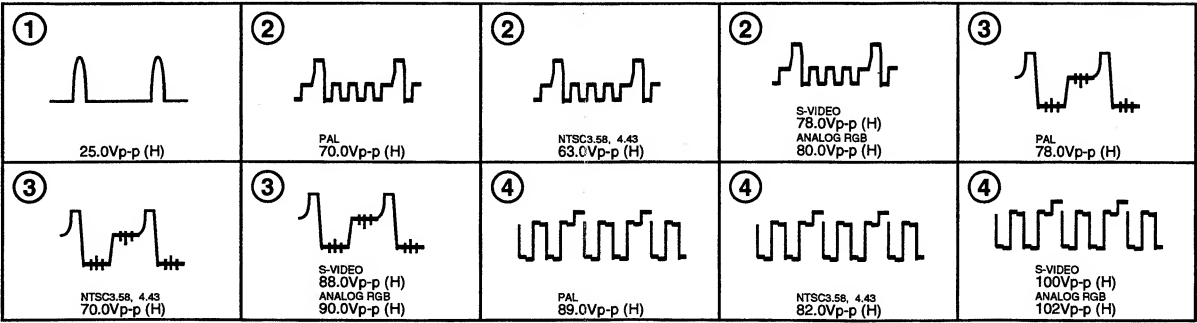




C BOARD * MARK VOLTAGE (20inch)

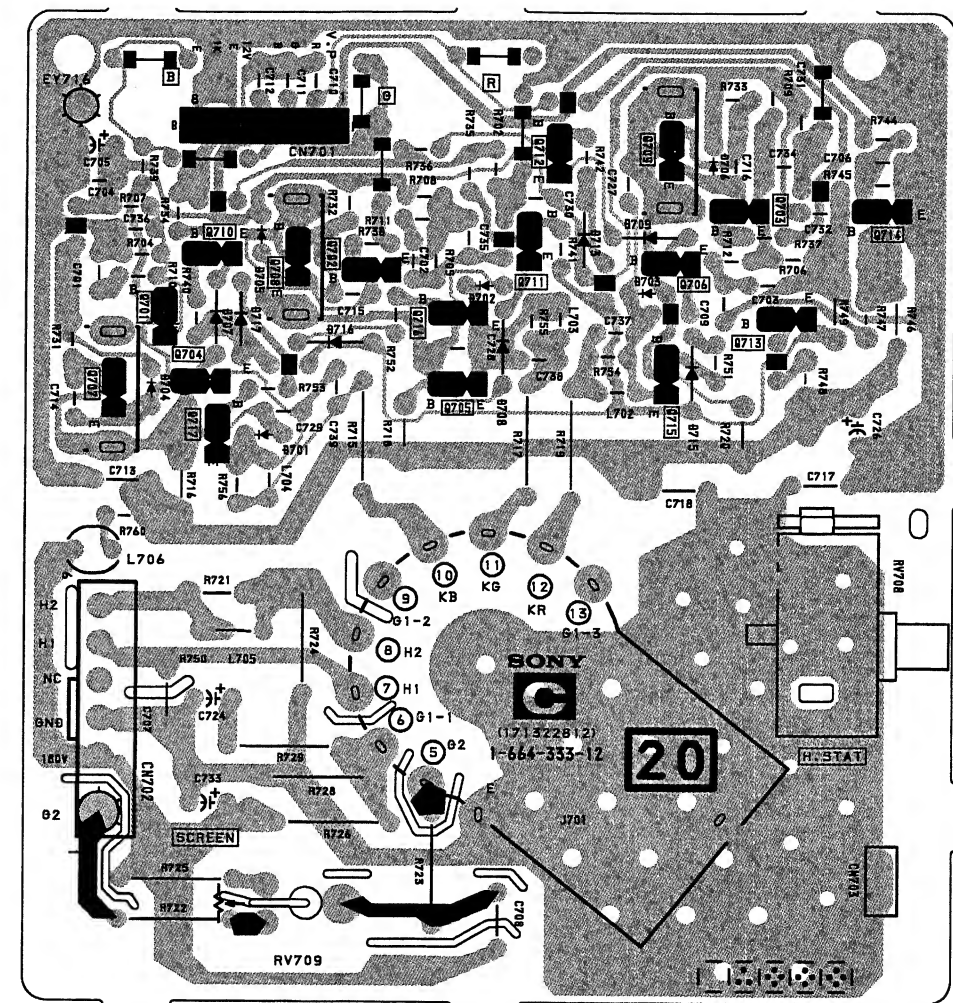
| | PAL | NTSC | NTSC | S-VIDEO | ANALOG |
|--------|-------|-------|-------|---------|--------|
| | | 3.58 | 4.43 | | RGB |
| Q701 B | 2.0 | 1.73 | 1.8 | 1.8 | 2.0 |
| E | 1.4 | 1.1 | 1.1 | 1.2 | 1.4 |
| Q702 B | 2.0 | 1.7 | 1.7 | 1.8 | 2.0 |
| E | 1.5 | 1.1 | 1.1 | 1.2 | 1.4 |
| Q703 B | 1.9 | 1.6 | 1.6 | 1.8 | 1.9 |
| E | 1.3 | 1.0 | 1.0 | 1.2 | 1.3 |
| Q704 B | 143.6 | 153.9 | 153.4 | 144.9 | 143.8 |
| C | 129.0 | 135.4 | 134.5 | 31.2 | 111.5 |
| E | 139.7 | 150.3 | 149.6 | 140.4 | 140.1 |
| Q705 B | 141.7 | 154.9 | 154.2 | 145.0 | 141.8 |
| C | 124.9 | 132.3 | 130.4 | 60.4 | 106.6 |
| E | 138.3 | 151.3 | 150.6 | 140.7 | 138.5 |
| Q706 B | 149.7 | 160.4 | 159.8 | 144.9 | 148.6 |
| C | 134.5 | 141.2 | 141.1 | 103.2 | 114.7 |
| E | 146.2 | 157.1 | 156.4 | 140.8 | 145.0 |
| Q707 C | 143.8 | 154.0 | 153.4 | 144.9 | 143.7 |
| Q708 C | 141.9 | 155.2 | 154.3 | 145.0 | 141.8 |
| Q709 C | 149.8 | 160.6 | 159.9 | 144.9 | 148.5 |
| Q710 B | 172.8 | 174.3 | 173.9 | 167.0 | 173.5 |
| E | 160.9 | 162.9 | 162.2 | 154.0 | 161.2 |
| Q711 B | 172.8 | 174.3 | 173.9 | 167.0 | 173.5 |
| E | 160.6 | 162.3 | 161.8 | 154.1 | 161.3 |
| Q712 B | 172.9 | 174.0 | 174.2 | 167.0 | 173.5 |
| E | 161.6 | 164.1 | 164.8 | 154.5 | 161.4 |
| Q713 B | 172.8 | 173.9 | 173.9 | 166.8 | 173.5 |
| C | 184.2 | 184.7 | 184.6 | 176.6 | 183.8 |
| E | 173.3 | 174.3 | 174.3 | 167.2 | 173.9 |
| Q714 C | 173.6 | 174.5 | 174.4 | 167.4 | 174.1 |
| Q715 B | 146.7 | 157.6 | 157.0 | 140.3 | 145.7 |
| C | 149.5 | 160.6 | 159.9 | 144.9 | 148.5 |
| E | 146.1 | 157.2 | 156.5 | 140.7 | 145.0 |
| Q716 B | 139.2 | 152.5 | 151.5 | 140.7 | 139.4 |
| C | 141.7 | 155.2 | 154.2 | 145.1 | 141.8 |
| E | 138.2 | 151.4 | 150.5 | 140.6 | 138.4 |
| Q717 B | 140.9 | 151.7 | 150.8 | 140.6 | 141.2 |
| C | 143.6 | 154.1 | 153.4 | 144.9 | 143.8 |
| E | 139.8 | 150.5 | 149.6 | 140.4 | 140.0 |

C BOARD WAVEFORMS (20inch)

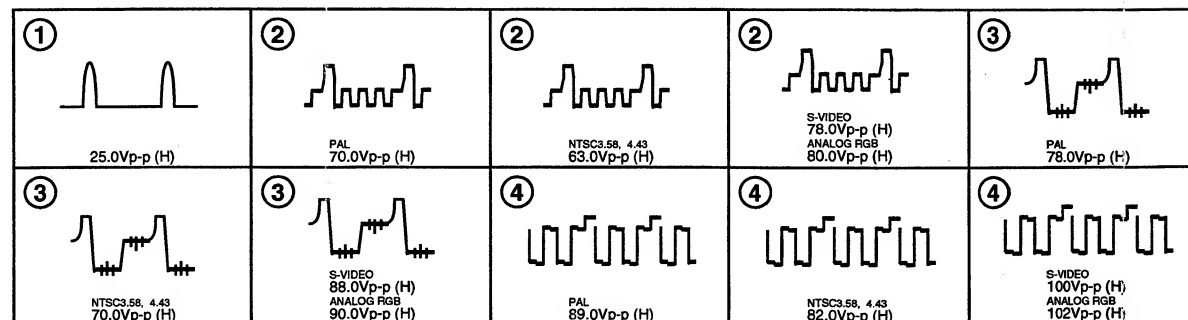




| | | PAL | NTSC 3.58 | NTSC 4.43 | S-VIDEO | ANALOG RGB |
|------|---|-------|--------------|--------------|---------|---------------|
| Q701 | B | 2.0 | 1.73 | 1.8 | 1.8 | 2.0 |
| | E | 1.4 | 1.1 | 1.1 | 1.2 | 1.4 |
| Q702 | B | 2.0 | 1.7 | 1.7 | 1.8 | 2.0 |
| | E | 1.5 | 1.1 | 1.1 | 1.2 | 1.4 |
| Q703 | B | 1.9 | 1.6 | 1.6 | 1.8 | 1.9 |
| | E | 1.3 | 1.0 | 1.0 | 1.2 | 1.3 |
| Q704 | B | 143.6 | 153.9 | 153.4 | 144.9 | 143.8 |
| | C | 129.0 | 135.4 | 134.5 | 31.2 | 111.5 |
| | E | 139.7 | 150.3 | 149.6 | 140.4 | 140.1 |
| Q705 | B | 141.7 | 154.9 | 154.2 | 145.0 | 141.8 |
| | C | 124.9 | 132.3 | 130.4 | 60.4 | 106.6 |
| | E | 138.3 | 151.3 | 150.6 | 140.7 | 138.5 |
| Q706 | B | 149.7 | 160.4 | 159.8 | 144.9 | 148.6 |
| | C | 134.5 | 141.2 | 141.1 | 103.2 | 114.7 |
| | E | 146.2 | 157.1 | 156.4 | 140.8 | 145.0 |
| Q707 | C | 143.8 | 154.0 | 153.4 | 144.9 | 143.7 |
| Q708 | C | 141.9 | 155.2 | 154.3 | 145.0 | 141.8 |
| Q709 | C | 149.8 | 160.6 | 159.9 | 144.9 | 148.5 |
| Q710 | B | 172.8 | 174.3 | 173.9 | 167.0 | 173.5 |
| | E | 160.9 | 162.9 | 162.2 | 154.0 | 161.2 |
| Q711 | B | 172.8 | 174.3 | 173.9 | 167.0 | 173.5 |
| | E | 160.6 | 162.3 | 161.8 | 154.1 | 161.3 |
| Q712 | B | 172.9 | 174.0 | 174.2 | 167.0 | 173.5 |
| | E | 161.6 | 164.1 | 164.8 | 154.5 | 161.4 |
| Q713 | B | 172.8 | 173.9 | 173.9 | 166.8 | 173.5 |
| | C | 184.2 | 184.7 | 184.6 | 176.6 | 183.8 |
| | E | 173.3 | 174.3 | 174.3 | 167.2 | 173.9 |
| Q714 | C | 173.6 | 174.5 | 174.4 | 167.4 | 174.1 |
| Q715 | B | 146.7 | 157.6 | 157.0 | 140.3 | 145.7 |
| | C | 149.5 | 160.6 | 159.9 | 144.9 | 148.5 |
| | E | 146.1 | 157.2 | 156.5 | 140.7 | 145.0 |
| Q716 | B | 139.2 | 152.5 | 151.5 | 140.7 | 139.4 |
| | C | 141.7 | 155.2 | 154.2 | 145.1 | 141.8 |
| | E | 138.2 | 151.4 | 150.5 | 140.6 | 138.4 |
| Q717 | B | 140.9 | 151.7 | 150.8 | 140.6 | 141.2 |
| | C | 143.6 | 154.1 | 153.4 | 144.9 | 143.8 |
| | E | 139.8 | 150.5 | 149.6 | 140.4 | 140.0 |

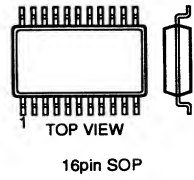


C BOARD WAVEFORMS (20inch)

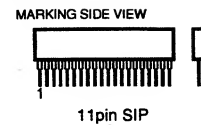


6-5. SEMICONDUCTORS

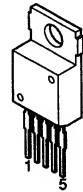
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XRU4053BCF



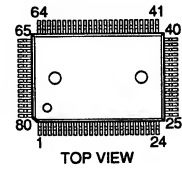
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MC14052BF
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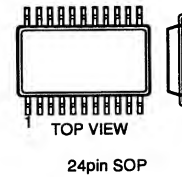
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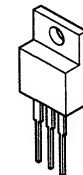
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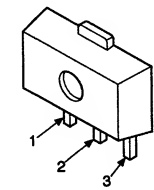
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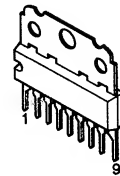
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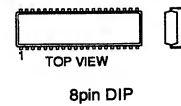
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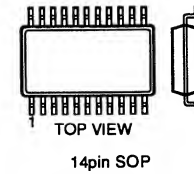
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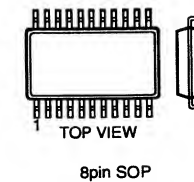
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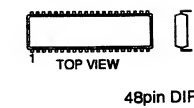
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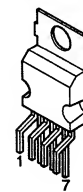
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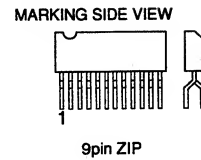
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STR-M6524



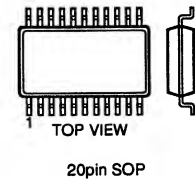
STR-S3115



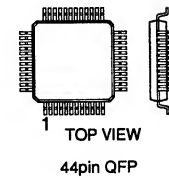
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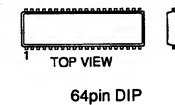
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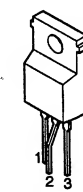
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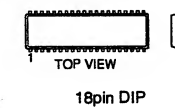
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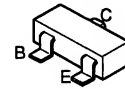
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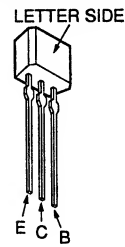
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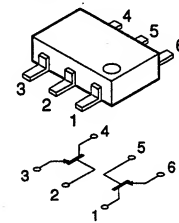
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DTC124EKA-T146
DTC144EKA-T146
2SA1037K-T-146-Q
2SA1162-G
2SB709A-R
2SC1623-L5L6
2SC2412K-T-146-QR
2SC2412K-T-146-S
2SD601A-S



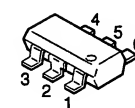
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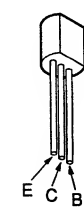
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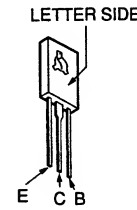
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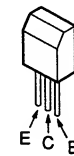
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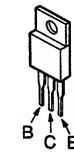
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2SC3271F-N
2SD1640Q
2SD1640Q, R



2SC2958
2SD774-34



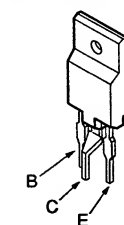
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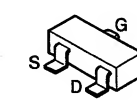
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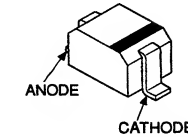
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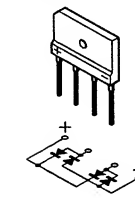
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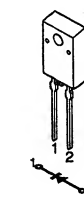
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DTZ-TT11-5.6B
DTZ-TT11-6.2
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DTZ13C
DTZ5.6B
DTZ6.2
MA111



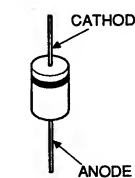
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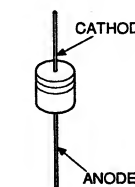
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FML-G12S



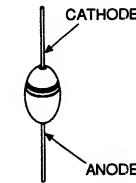
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RGP15K-6179
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10E2
1SS83



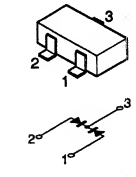
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RD16ES-B3
RD20ES-B2
1SS119-25
1SS133T-77



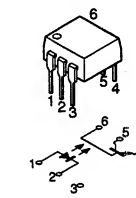
ERC38-06
V19E
V19G



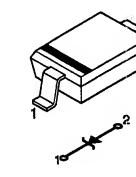
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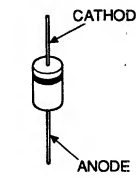
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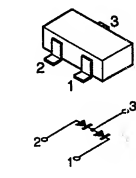
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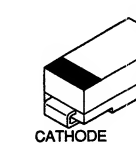
RH-1A
RH-1Z



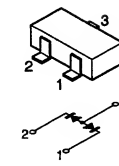
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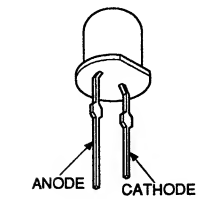
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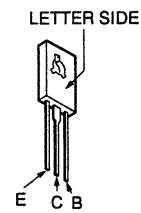
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1S2836



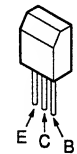
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SLP281C-50
TLG123A
TLY123



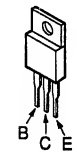
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2SC3271F-N
2SD1640Q
2SD1640Q, R



2SC2958
2SD774-34



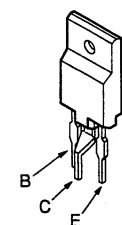
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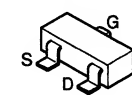
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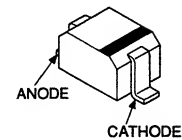
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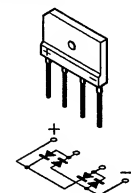
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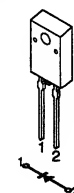
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DTZ-TT11-13C
DTZ-TT11-5.6B
DTZ-TT11-6.2
DTZ11B
DTZ13C
DTZ5.6B
DTZ6.2
MA111



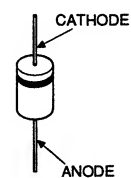
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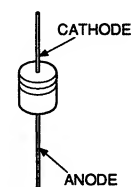
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FMB-G16L
FML-G12S



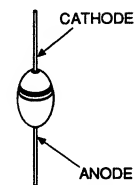
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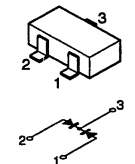
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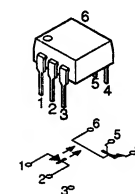
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V19E
V19G



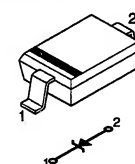
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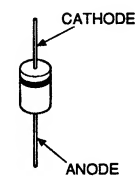
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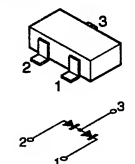
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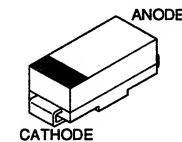
RH-1A
RH-1Z



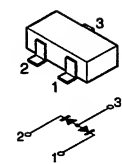
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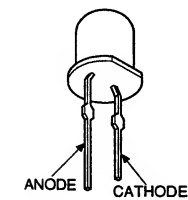
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1SV232-TPH3



1S2835
1S2836



SEL4410E-D
SLP281C-50
TLG123A
TLY123



SECTION 7

EXPLODED VIEWS

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.

- The construction parts of an assembled part are indicated with a collation number in the remark column.

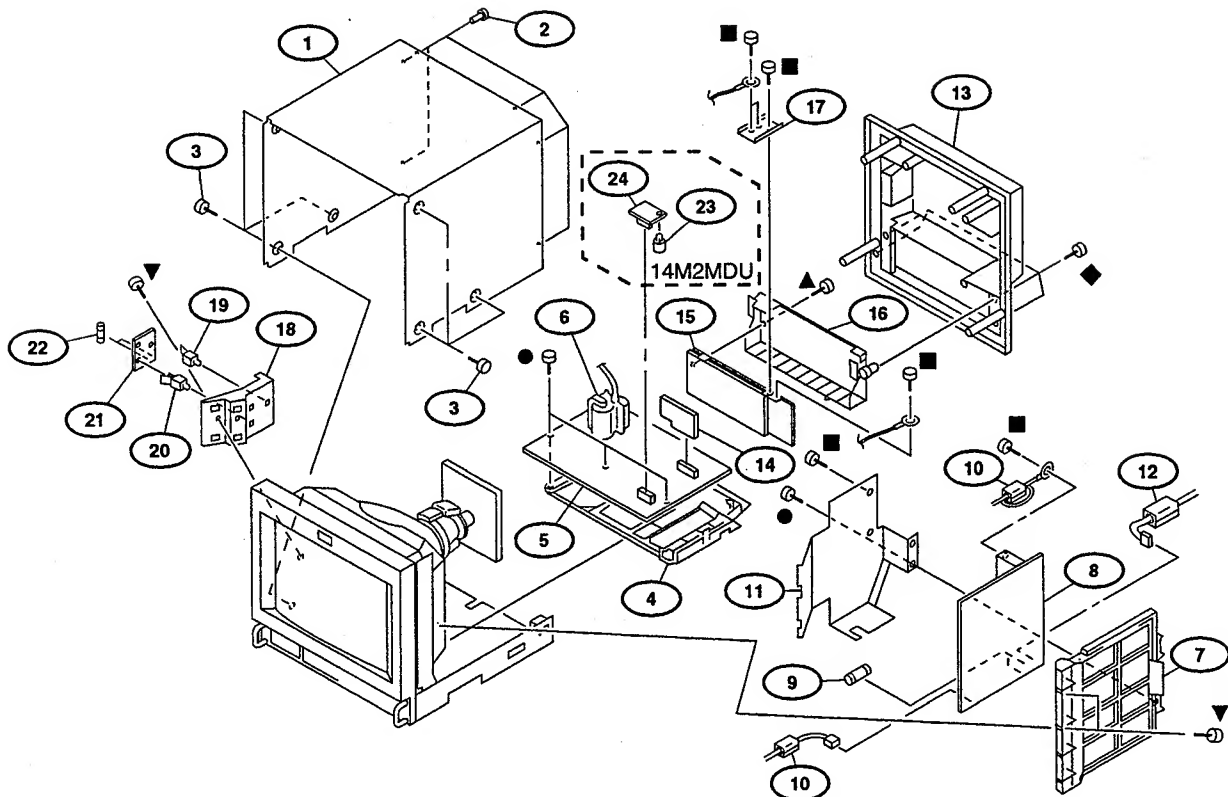
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. CHASSIS [14M2MDU/E/A]

- : 7-685-648-79 +BVTP 3X12
- : 7-682-661-01 +PS 4X8
- ▲ : 7-685-646-79 +BVTP 3X8
- ◆ : 7-685-663-79 +BVTP 4X16
- ▼ : 7-685-881-09 +BVTT 4X8



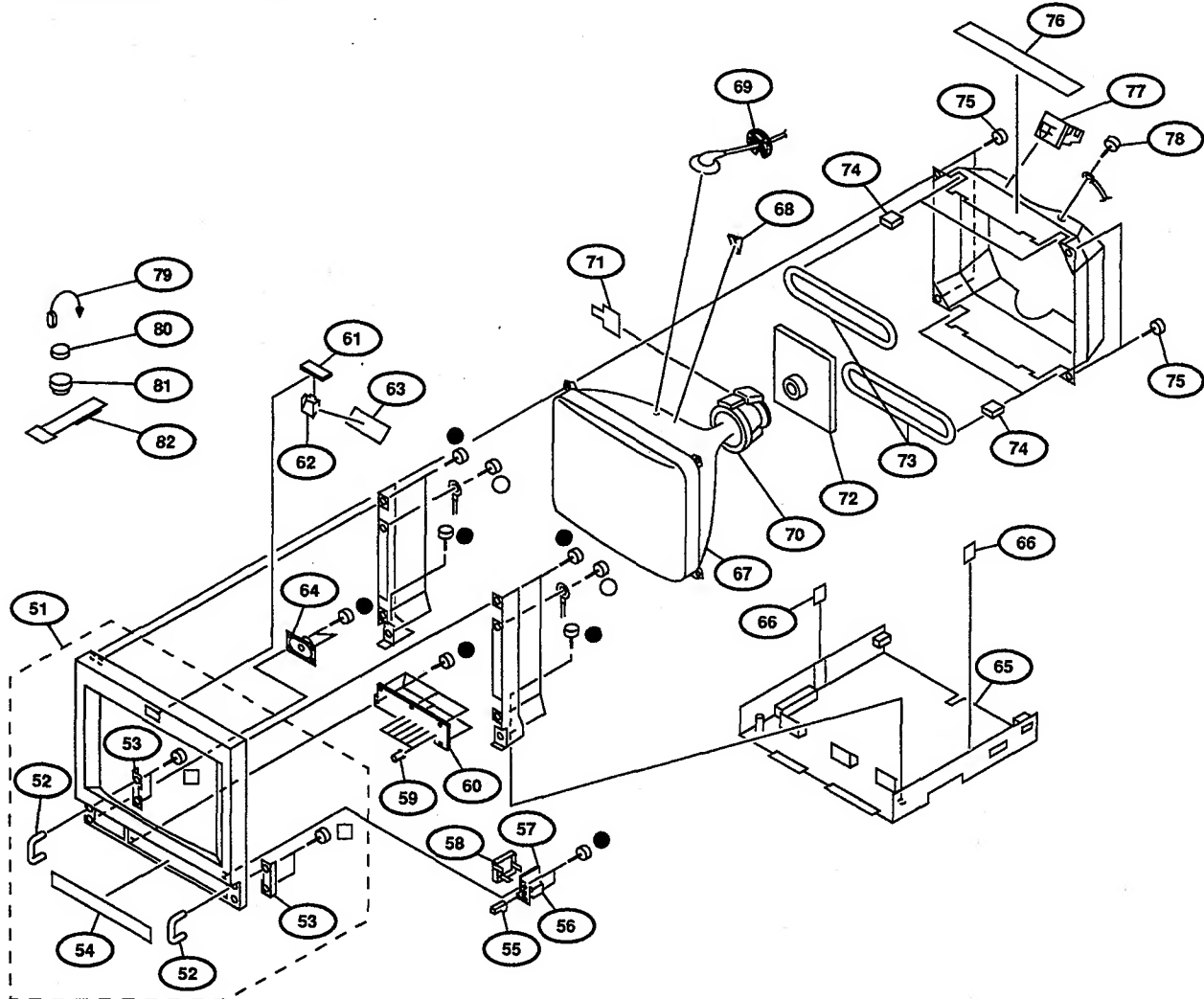
| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|-----------------------|--------------------------------|--------|----------|-----------------------|----------------------------------|--------|
| 1 | X-4035-200-2 | COVER ASSY, TOP | | 13 | 4-055-635-01 | COVER, REAR | |
| 2 | 4-391-825-01 | RIVET, NYLON | | 14 | * A-1304-141-A | M BOARD, COMPLETE | |
| 3 | 4-847-802-11 | SCREW (OS), CASE, CLAW | | 15 | 1-537-877-21 | TERMINAL BOARD ASSY, I/O | |
| 4 | * 4-043-690-01 | BRACKET, MAIN | | 16 | 4-043-688-81 | PANEL, CONNECTOR | |
| 5 | * A-1298-296-A | A BOARD, COMPLETE | | 17 | * 4-058-363-01 | TERMINAL, EARTH | |
| 6 | Δ 1-453-233-11 | TRANSFORMER ASSY, FLYBACK | | 18 | * 4-391-842-06 | BRACKET, HVR | |
| 7 | * 4-043-689-01 | BRACKET, G | | 19 | * 4-321-929-00 | HOLDER, PC BOARD | |
| 8 | * A-1316-349-A | G BOARD, COMPLETE | | 20 | * 3-703-141-00 | HOLDER, PWB | |
| 9 | Δ 1-576-231-11 | FUSE (H.B.C.) 4A/250V | | 21 | * A-1316-350-A | GA BOARD, COMPLETE | |
| 10 | 1-543-827-11 | CLAMP, SLEEVE FERRITE | | 22 | Δ 1-532-742-11 | FUSE, GLASS TUBE 1.6A/125V | |
| 11 | * 4-062-488-01 | SHIELD, G PWB | | 23 | * 3-687-542-41 | SPACER, PC BOARD SPACE (14M2MDU) | |
| 12 | 1-543-653-11 | CORE ASSY, BEAD(DIVISION TYPE) | | 24 | * A-1390-779-A | S BOARD, COMPLETE (14M2MDU) | |

7-2. PICTURE TUBE [14M2MDU/E/A]

- : 7-685-648-79 +BVTP 3X12
- : 7-682-648-09 +PS 3X8
- : 7-682-563-09 +B 4X12

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.



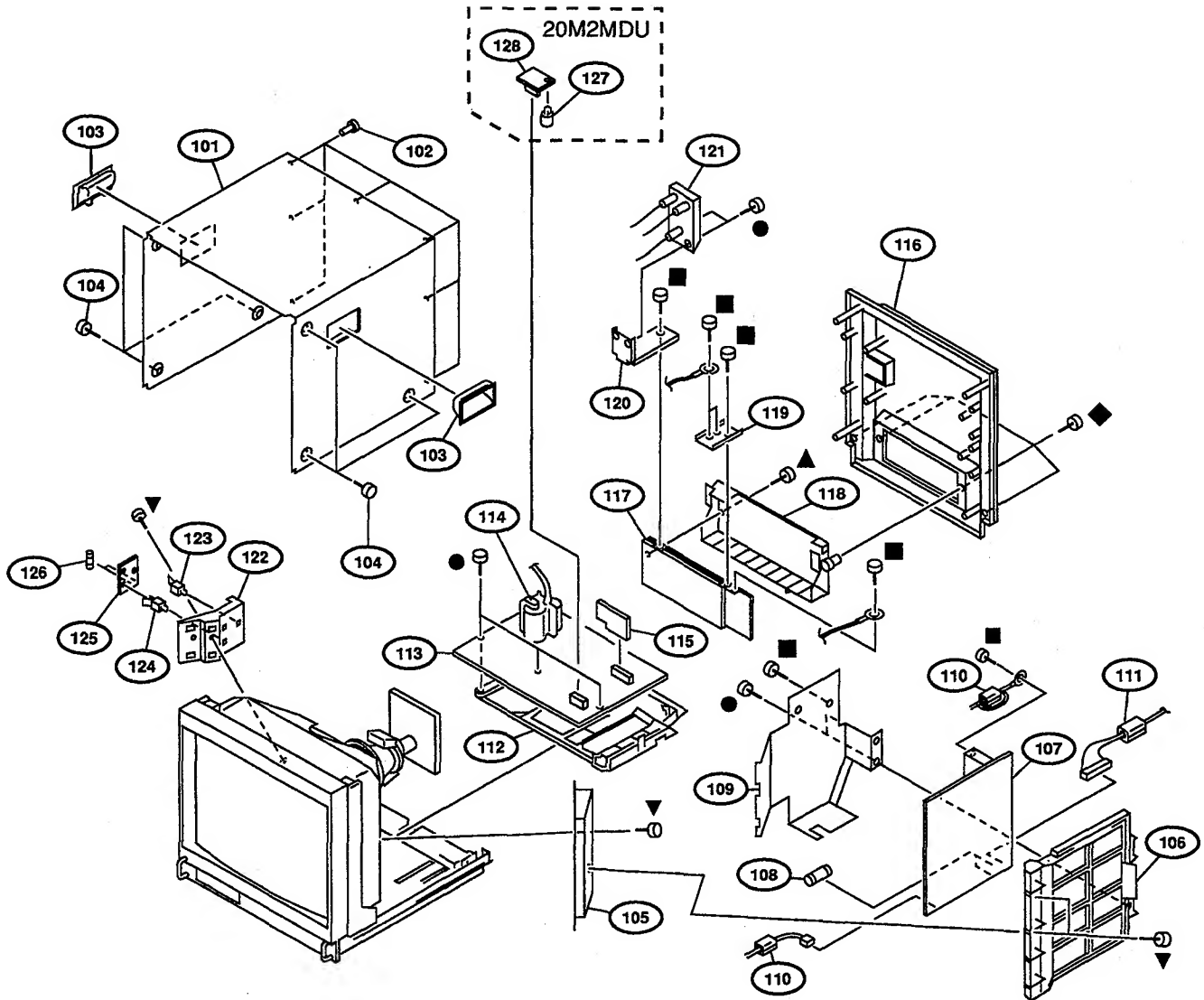
| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|-----------------------|---------------------------|--------|----------|-----------------------|--------------------------------------|--------|
| 51 | X-4035-199-1 | BEZEL ASSY | 52-54 | 67 | Δ 8-738-342-05 | PICTURE TUBE 14MG(DARK) (M34KBE11X) | |
| 52 | 4-052-200-11 | HANDLE, PROTECTOR | | 68 | 3-703-961-01 | SPACER, DY | |
| 53 | *4-043-679-01 | REINFORCEMENT, HANDLE | | 69 | 3-704-372-01 | HOLDER, HV CABLE | |
| 54 | *4-057-975-41 | LABEL, CONTROL | | 70 | Δ 8-451-472-11 | DEFLECTION YOKE Y14MGAT | |
| 55 | 4-043-683-01 | BUTTON, POWER SWITCH | | 71 | X-2105-533-1 | PLATE ASSY, CORRECTION, TLH | |
| 56 | Δ 1-692-921-11 | SWITCH, PUSH (A.C. POWER) | | 72 | *A-1331-764-A | C BOARD, COMPLETE | |
| 57 | *A-1388-204-A | J BOARD, COMPLETE | | 73 | Δ 1-426-442-21 | COIL, DEMAGNETIZATION | |
| 58 | 4-043-681-01 | COVER, AC SWITCH | | 74 | *4-316-015-00 | HOLDER, WIRE | |
| 59 | 4-043-802-11 | KNOB, CONTROL | | 75 | 4-365-808-01 | SCREW (5), TAPPING | |
| 60 | *A-1372-410-A | H BOARD, COMPLETE | | 76 | 4-391-833-01 | CLOTH, PROTECTION | |
| 61 | *A-1390-778-A | X BOARD, COMPLETE | | 77 | 4-033-681-01 | HOLDER, LEAD | |
| 62 | *4-043-682-01 | REFLECTOR, LED | | 78 | 4-389-025-01 | SCREW (M4) (EXT TOOTH WASHER) | |
| 63 | 4-044-606-01 | CUSHION, TALLY | | 79 | 4-308-870-00 | CLIP, LEAD WIRE | |
| 64 | 1-544-063-12 | SPEAKER | | 80 | 1-452-032-00 | MAGNET, DISK ; 10mm ϕ | |
| 65 | X-4031-711-1 | CABINET ASSY, BOTTOM | | 81 | 1-452-094-00 | MAGNET, ROTATABLE DISK ; 15mm ϕ | |
| 66 | 4-042-608-01 | NUT, PLATE | | 82 | 4-051-736-21 | PIECE A(90), CONV. CORRECT | |

7-3. CHASSIS [20M2MDU/E/A]

- : 7-685-648-79 +BVTP 3X12
- : 7-682-661-01 +PS 4X8
- ▲ : 7-685-646-79 +BVTP 3X8
- ◆ : 7-685-663-79 +BVTP 4X16
- ▼ : 7-685-881-09 +BVTT 4X8

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



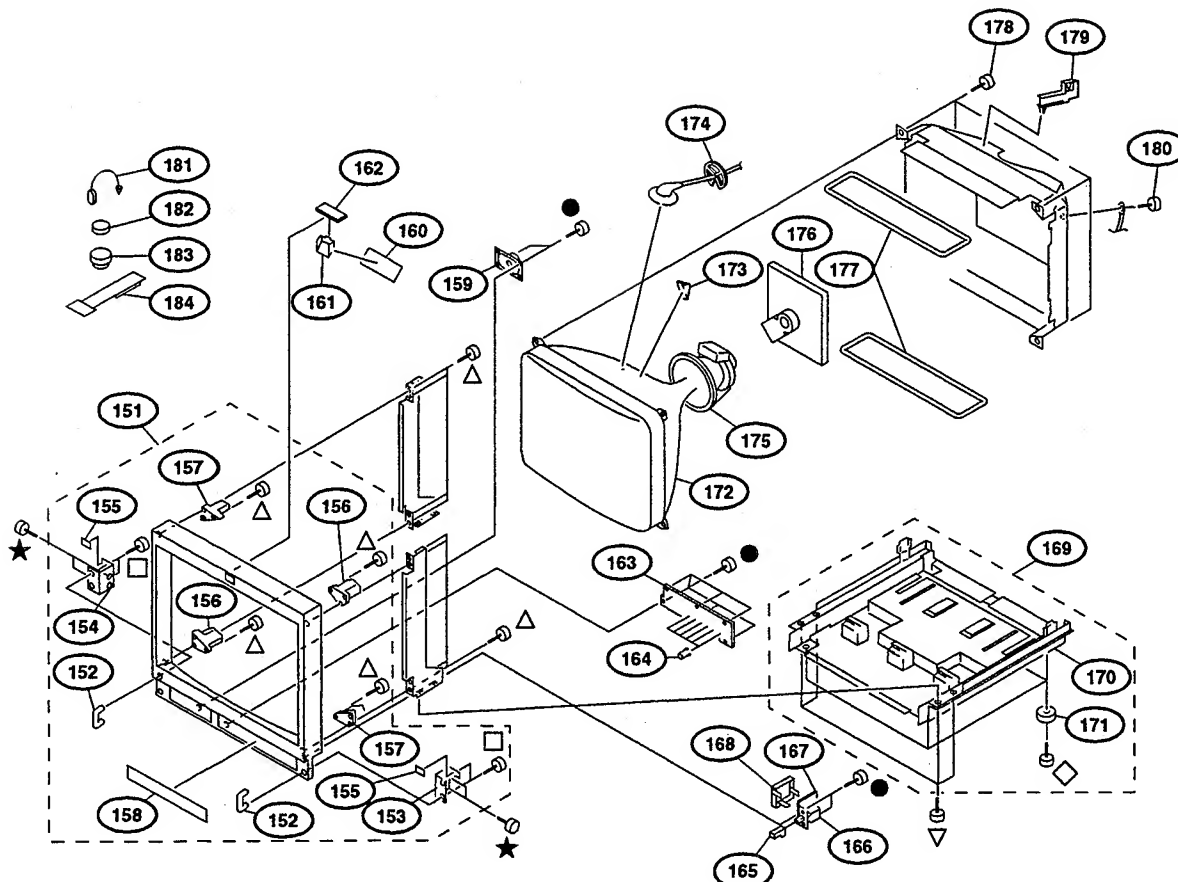
| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|-----------------------|--------------------------------|--------|----------|-----------------------|----------------------------------|--------|
| 101 | 4-057-973-41 | COVER, TOP | | 116 | 4-043-677-11 | COVER, REAR | |
| 102 | 4-391-825-01 | RIVET, NYLON | | 117 | 1-537-877-21 | TERMINAL BOARD ASSY, I/O | |
| 103 | 4-043-825-11 | HANDLE | | 118 | 4-043-688-81 | PANEL, CONNECTOR | |
| 104 | 4-847-802-11 | SCREW (OS), CASE, CLAW | | 119 | *4-058-363-01 | TERMINAL, EARTH | |
| 105 | X-4391-825-1 | HOOK ASSY, F | | 120 | 4-057-971-01 | BRACKET, FOCUS VOLUME | |
| 106 | *4-043-689-01 | BRACKET, G | | 121 | Δ 1-238-368-11 | RESISTOR ASSY, HIGH-VOLTAGE | |
| 107 | *A-1316-349-A | G BOARD, COMPLETE | | 122 | *4-391-842-06 | BRACKET, HVR | |
| 108 | Δ 1-576-231-11 | FUSE (H.B.C.) 4A/250V | | 123 | *4-321-929-00 | HOLDER, PC BOARD | |
| 109 | *4-062-488-01 | SHIELD, G PWB | | 124 | *3-703-141-00 | HOLDER, PWB | |
| 110 | 1-543-827-11 | CLAMP, SLEEVE FERRITE | | 125 | *A-1316-350-A | GA BOARD, COMPLETE | |
| 111 | 1-543-653-11 | CORE ASSY, BEAD(DIVISION TYPE) | | 126 | Δ 1-532-742-11 | FUSE, GLASS TUBE 1.6A/125V | |
| 112 | *4-043-690-01 | BRACKET, MAIN | | 127 | *3-687-542-41 | SPACER, PC BOARD SPACE (20M2MDU) | |
| 113 | *A-1298-297-A | A BOARD, COMPLETE | | 128 | *A-1390-779-A | S BOARD, COMPLETE (20M2MDU) | |
| 114 | Δ 1-453-234-11 | TRANSFORMER ASSY, FLYBACK | | | | | |
| 115 | *A-1304-141-A | M BOARD, COMPLETE | | | | | |

7-4. PICTURE TUBE [20M2MDU/E/A]

- : 7-685-648-79 +BVTP 3X12
- △ : 7-685-663-71 +BVTP 4X16
- : 7-682-563-09 +B 4X12
- ★ : 7-685-883-09 +BVTT 4X12
- ◇ : 7-685-664-79 +P 4X20
- ▽ : 7-685-661-14 +BVTP 4X12

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|----------------|---------------------------|---------|----------|----------------|---------------------------------------|---------|
| 151 | X-4035-198-1 | BEZEL ASSY | 152-158 | 168 | 4-043-681-01 | COVER, AC SWITCH | |
| 152 | 4-052-200-11 | HANDLE, PROTECTOR | | 169 | *X-4032-770-1 | CABINET ASSY, BOTTOM | 170,171 |
| 153 | *4-043-670-01 | REINFORCEMENT (R), HANDLE | | 170 | *4-043-674-03 | CABINET, BOTTOM | |
| 154 | *4-043-669-01 | REINFORCEMENT (L), HANDLE | | 171 | 4-901-947-01 | LEG | |
| 155 | *4-043-797-01 | PLATE, BLIND | | 172 | △ 8-736-135-05 | PICTURE TUBE 20FZ5 (DARK) (M49JGH11X) | |
| 156 | *4-043-672-01 | BRACKET (A), PICTURE TUBE | | 173 | 3-703-961-01 | SPACER, DY | |
| 157 | *4-043-673-01 | BRACKET (B), PICTURE TUBE | | 174 | 3-704-372-01 | HOLDER, HV CABLE | |
| 158 | *4-057-975-41 | LABEL, CONTROL | | 175 | △ 1-451-349-12 | DEFLECTION YOKE (Y20FZA) | |
| 159 | 1-544-063-12 | SPEAKER | | 176 | *A-1331-763-A | C BOARD, COMPLETE | |
| 160 | 4-044-606-01 | CUSHION, TALLY | | 177 | △ 1-426-505-11 | COIL, DEMAGNETIZATION | |
| 161 | *4-043-671-01 | REFLECTOR, LED | | 178 | 4-365-808-01 | SCREW (5), TAPPING | |
| 162 | *A-1390-778-A | X BOARD, COMPLETE | | 179 | *4-387-284-01 | HOLDER, LEAD | |
| 163 | *A-1372-410-A | H BOARD, COMPLETE | | 180 | 4-389-025-01 | SCREW (M4) (EXT TOOTH WASHER) | |
| 164 | 4-043-802-11 | KNOB, CONTROL | | 181 | 4-308-870-00 | CLIP, LEAD WIRE | |
| 165 | 4-043-683-01 | BUTTON, POWER SWITCH | | 182 | 1-452-032-00 | MAGNET, DISK ; 10mmφ | |
| 166 | △ 1-692-921-11 | SWITCH, PUSH (A.C. POWER) | | 183 | 1-452-094-00 | MAGNET, ROTATABLE DISK ; 15mmφ | |
| 167 | *A-1388-204-A | J BOARD, COMPLETE | | 184 | 4-051-736-21 | PIECE A(90), CONV. CORRECT | |

SECTION 8 ELECTRICAL PARTS LIST

A

NOTE:

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

• The components identified by Δ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS

PF : $\mu\mu\text{F}$

• There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|----------------|----------------------------------|--------|----------|--------------|-----------------------|--------|
| | * A-1298-296-A | A BOARD, COMPLETE (14inch model) | | C174 | 1-163-243-11 | CERAMIC CHIP 47PF | 50V |
| | | ***** | | C200 | 1-126-963-11 | ELECT 4.7MF | 50V |
| | 1-540-044-11 | SOCKET, IC | | C201 | 1-137-353-11 | MYLAR 0.047MF | 100V |
| | * 4-043-994-01 | PLATE (CF), SHIELD | | C202 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 50V |
| | * 4-058-301-01 | RING, SHORT | | C203 | 1-126-963-11 | ELECT 4.7MF | 50V |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) | | C204 | 1-126-964-11 | ELECT 10MF | 50V |
| | 7-682-948-01 | SCREW +PSW 3X8 | | C205 | 1-126-767-11 | ELECT 1000MF | 16V |
| | 7-685-663-79 | SCREW +BVTP 4X16 TYPE2 IT-3 | | C206 | 1-128-526-11 | ELECT 100MF | 25V |
| | | <BAND PASS FILTER> | | C207 | 1-104-665-11 | ELECT 100MF | 25V |
| BPF400 | 1-236-363-11 | FILTER, BAND PASS | | C208 | 1-126-964-11 | ELECT 10MF | 50V |
| | | <CAPACITOR> | | C209 | 1-126-963-11 | ELECT 4.7MF | 50V |
| C105 | 1-163-251-11 | CERAMIC CHIP 100PF | 50V | C304 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 25V |
| C106 | 1-163-251-11 | CERAMIC CHIP 100PF | 50V | C305 | 1-163-259-91 | CERAMIC CHIP 220PF | 50V |
| C114 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C306 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C116 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C310 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 25V |
| C117 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C311 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 25V |
| C118 | 1-163-259-91 | CERAMIC CHIP 220PF | 50V | C312 | 1-126-961-11 | ELECT 2.2MF | 50V |
| C119 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C313 | 1-163-145-00 | CERAMIC CHIP 0.0015MF | 50V |
| C121 | 1-163-237-11 | CERAMIC CHIP 27PF | 50V | C314 | 1-163-249-11 | CERAMIC CHIP 82PF | 50V |
| C123 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C315 | 1-126-964-11 | ELECT 10MF | 50V |
| C124 | 1-163-251-11 | CERAMIC CHIP 100PF | 50V | C316 | 1-104-664-11 | ELECT 47MF | 25V |
| C132 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 50V | C318 | 1-126-964-11 | ELECT 10MF | 50V |
| C133 | 1-163-251-11 | CERAMIC CHIP 100PF | 50V | C325 | 1-126-964-11 | ELECT 10MF | 50V |
| C134 | 1-163-251-11 | CERAMIC CHIP 100PF | 50V | C328 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C135 | 1-163-251-11 | CERAMIC CHIP 100PF | 50V | C340 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C136 | 1-163-251-11 | CERAMIC CHIP 100PF | 50V | C343 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C140 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 25V | C349 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 50V |
| C141 | 1-164-161-11 | CERAMIC CHIP 0.0022MF | 50V | C350 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 50V |
| C142 | 1-163-259-91 | CERAMIC CHIP 220PF | 50V | C352 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C143 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C353 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C144 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C354 | 1-163-121-00 | CERAMIC CHIP 150PF | 50V |
| C145 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C355 | 1-126-960-11 | ELECT 1MF | 50V |
| C154 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 50V | C356 | 1-126-963-11 | ELECT 4.7MF | 50V |
| C155 | 1-163-023-00 | CERAMIC CHIP 0.015MF | 50V | C357 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C156 | 1-163-019-00 | CERAMIC CHIP 0.0068MF | 50V | C358 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C157 | 1-163-019-00 | CERAMIC CHIP 0.0068MF | 50V | C359 | 1-104-664-11 | ELECT 47MF | 25V |
| C158 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 25V | C360 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 50V |
| C159 | 1-164-344-11 | CERAMIC CHIP 0.068MF | 25V | C361 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C161 | 1-104-664-11 | ELECT 47MF | 25V | C362 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C162 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 50V | C363 | 1-163-099-00 | CERAMIC CHIP 18PF | 50V |
| C164 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C364 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C165 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C365 | 1-106-343-00 | MYLAR 0.001MF | 100V |
| C166 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 25V | C366 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C167 | 1-126-925-11 | ELECT 470MF | 10V | C367 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C168 | 1-126-925-11 | ELECT 470MF | 10V | C368 | 1-124-261-00 | ELECT 10MF | 50V |
| C169 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 50V | C369 | 1-164-298-11 | CERAMIC CHIP 0.15MF | 25V |
| C171 | 1-163-251-11 | CERAMIC CHIP 100PF | 50V | C370 | 1-104-664-11 | ELECT 47MF | 25V |
| C172 | 1-163-123-00 | CERAMIC CHIP 180PF | 50V | C371 | 1-104-664-11 | ELECT 47MF | 25V |
| C173 | 1-163-123-00 | CERAMIC CHIP 180PF | 50V | C372 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| | | | | C373 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 50V |
| | | | | C374 | 1-126-960-11 | ELECT 1MF | 50V |
| | | | | C375 | 1-163-259-91 | CERAMIC CHIP 220PF | 50V |
| | | | | C376 | 1-126-959-11 | ELECT 0.47MF | 50V |

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| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-----------------------|------------|
| C377 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C378 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C379 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C380 | 1-126-767-11 | ELECT 1000MF | 20% 16V |
| C381 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C382 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% 50V |
| C383 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C384 | 1-163-249-11 | CERAMIC CHIP 82PF | 5% 50V |
| C385 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C386 | 1-124-261-00 | ELECT 10MF | 20% 50V |
| C387 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% 50V |
| C388 | 1-124-261-00 | ELECT 10MF | 20% 50V |
| C390 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% 50V |
| C391 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C392 | 1-164-298-11 | CERAMIC CHIP 0.15MF | 10% 25V |
| C393 | 1-164-298-11 | CERAMIC CHIP 0.15MF | 10% 25V |
| C394 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C395 | 1-163-235-11 | CERAMIC CHIP 22PF | 5% 50V |
| C396 | 1-164-299-11 | CERAMIC CHIP 0.22MF | 10% 25V |
| C397 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C398 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C399 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C400 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C401 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V |
| C407 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C409 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C411 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C414 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C415 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C416 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| C417 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| C418 | 1-164-182-11 | CERAMIC CHIP 0.0033MF | 10% 50V |
| C419 | 1-126-925-11 | ELECT 470MF | 20% 10V |
| C420 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C421 | 1-164-222-11 | CERAMIC CHIP 0.22MF | 25V |
| C422 | 1-126-960-11 | ELECT 1MF | 20% 50V |
| C423 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C424 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C426 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% 50V |
| C427 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C429 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C430 | 1-104-661-91 | ELECT 330MF | 20% 16V |
| C431 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C433 | 1-163-235-11 | CERAMIC CHIP 22PF | 5% 50V |
| C434 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C435 | 1-163-089-00 | CERAMIC CHIP 6PF | 0.25PF 50V |
| C437 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C439 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C440 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C441 | 1-126-962-11 | ELECT 3.3MF | 20% 50V |
| C442 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C443 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% 50V |
| C444 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C446 | 1-163-089-00 | CERAMIC CHIP 6PF | 0.25PF 50V |
| C447 | 1-163-263-11 | CERAMIC CHIP 330PF | 5% 50V |
| C448 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% 50V |
| C449 | 1-163-227-11 | CERAMIC CHIP 10PF | 0.5PF 50V |
| C450 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C451 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C452 | 1-163-263-11 | CERAMIC CHIP 330PF | 5% 50V |
| C453 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C454 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% 50V |
| C455 | 1-163-263-11 | CERAMIC CHIP 330PF | 5% 50V |
| C456 | 1-163-089-00 | CERAMIC CHIP 6PF | 0.25PF 50V |
| C457 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C458 | 1-163-249-11 | CERAMIC CHIP 82PF | 5% 50V |
| C459 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C460 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C461 | 1-163-119-00 | CERAMIC CHIP 120PF | 5% 50V |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|-----------------------|-----------------------|----------|
| C462 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C463 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C464 | 1-164-299-11 | CERAMIC CHIP 0.22MF | 10% 25V |
| C465 | 1-163-231-11 | CERAMIC CHIP 15PF | 5% 50V |
| C466 | 1-163-119-00 | CERAMIC CHIP 120PF | 5% 50V |
| C467 | 1-163-119-00 | CERAMIC CHIP 120PF | 5% 50V |
| C469 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% 50V |
| C470 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% 50V |
| C471 | 1-163-105-00 | CERAMIC CHIP 33PF | 5% 50V |
| C472 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C473 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C475 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C476 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C477 | 1-164-299-11 | CERAMIC CHIP 0.22MF | 10% 25V |
| C478 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C479 | 1-163-121-00 | CERAMIC CHIP 150PF | 5% 50V |
| C483 | 1-163-249-11 | CERAMIC CHIP 82PF | 5% 50V |
| C484 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% 50V |
| C485 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% 50V |
| C486 | 1-163-249-11 | CERAMIC CHIP 82PF | 5% 50V |
| C487 | 1-163-235-11 | CERAMIC CHIP 22PF | 5% 50V |
| C490 | 1-164-336-11 | CERAMIC CHIP 0.33MF | 25V |
| C491 | 1-164-336-11 | CERAMIC CHIP 0.33MF | 25V |
| C492 | 1-164-336-11 | CERAMIC CHIP 0.33MF | 25V |
| C493 | 1-104-760-11 | CERAMIC CHIP 0.047MF | 10% 50V |
| C494 | 1-164-005-11 | CERAMIC CHIP 0.47MF | 25V |
| C495 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C496 | 1-163-249-11 | CERAMIC CHIP 82PF | 5% 50V |
| C497 | 1-163-011-11 | CERAMIC CHIP 0.0015MF | 10% 50V |
| C498 | 1-126-961-11 | ELECT 2.2MF | 20% 50V |
| C499 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C500 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C501 | 1-164-182-11 | CERAMIC CHIP 0.0033MF | 10% 50V |
| C502 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% 50V |
| C503 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V |
| C504 | 1-136-495-11 | FILM 0.068MF | 5% 50V |
| C505 | 1-163-199-00 | CERAMIC CHIP 560PF | 5% 50V |
| C506 | 1-126-959-11 | ELECT 0.47MF | 20% 50V |
| C507 | 1-128-526-11 | ELECT 100MF | 20% 25V |
| C508 | 1-130-497-00 | MYLAR 0.15MF | 5% 50V |
| C509 | 1-128-566-11 | ELECT 470MF | 20% 100V |
| C511 | 1-107-368-11 | FILM 0.047MF | 10% 200V |
| C512 | 1-126-959-11 | ELECT 0.47MF | 20% 50V |
| C513 | 1-124-261-00 | ELECT 10MF | 20% 50V |
| C514 | Δ 1-130-338-91 | FILM 0.01MF | 5% 630V |
| C515 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C516 | 1-102-030-00 | CERAMIC 330PF | 10% 500V |
| C517 | 1-163-024-00 | CERAMIC CHIP 0.018MF | 10% 50V |
| C518 | 1-107-947-11 | ELECT 220MF | 20% 160V |
| C519 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% 50V |
| C520 | 1-163-257-11 | CERAMIC CHIP 180PF | 5% 50V |
| C521 | 1-162-114-00 | CERAMIC 0.0047MF | 2KV |
| C522 | 1-126-768-11 | ELECT 2200MF | 20% 16V |
| C523 | 1-107-902-11 | ELECT 1MF | 20% 50V |
| C525 | Δ 1-136-079-11 | FILM 0.01MF | 3% 2KV |
| C526 | Δ 1-162-116-91 | CERAMIC 680PF | 10% 2KV |
| C527 | 1-162-134-11 | CERAMIC 470PF | 10% 2KV |
| C529 | 1-107-901-11 | ELECT 0.47MF | 20% 50V |
| C530 | 1-104-666-11 | ELECT 220MF | 20% 25V |
| C531 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C532 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C533 | 1-102-212-00 | CERAMIC 820PF | 10% 500V |
| C534 | 1-107-662-11 | ELECT 22MF | 20% 250V |
| C537 | 1-126-971-11 | ELECT 470MF | 20% 50V |
| C538 | 1-137-150-11 | MYLAR 0.01MF | 10% 100V |
| C539 | 1-130-480-00 | FILM 0.0056MF | 5% 50V |
| C540 | 1-163-133-00 | CERAMIC CHIP 470PF | 5% 50V |
| C541 | 1-107-905-11 | ELECT 4.7MF | 20% 50V |
| C542 | 1-136-481-11 | MYLAR 0.0022MF | 10% 100V |

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| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|--------------------------|--------|----------|--------------|---------------------------|--------|
| C543 | 1-136-481-11 | MYLAR 0.0022MF 10% | 100V | C1321 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C544 | 1-137-150-11 | MYLAR 0.01MF 10% | 100V | C1322 | 1-126-934-11 | ELECT 220MF 20% | 16V |
| C545 | 1-102-212-00 | CERAMIC 820PF 10% | 500V | C1323 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C546 | 1-163-119-00 | CERAMIC CHIP 120PF 5% | 50V | C1324 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C547 | 1-163-251-11 | CERAMIC CHIP 100PF 5% | 50V | C1325 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C548 | 1-102-212-00 | CERAMIC 820PF 10% | 500V | C1326 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C549 | 1-107-906-11 | ELECT 10MF 20% | 50V | C1327 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C550 | 1-107-905-11 | ELECT 4.7MF 20% | 50V | C1328 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C551 | 1-106-375-12 | MYLAR 0.022MF 10% | 100V | C1329 | 1-126-964-11 | ELECT 10MF 20% | 50V |
| C552 | 1-107-889-11 | ELECT 220MF 20% | 25V | C1330 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C554 | 1-130-736-11 | FILM 0.01MF 5% | 50V | C1331 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C555 | 1-126-964-11 | ELECT 10MF 20% | 50V | C1332 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C556 | 1-126-964-11 | ELECT 10MF 20% | 50V | C1333 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C557 | 1-106-381-12 | MYLAR 0.039MF 10% | 100V | C1334 | 1-163-227-11 | CERAMIC CHIP 10PF 0.5PF | 50V |
| C558 | 1-126-960-11 | ELECT 1MF 20% | 50V | C1335 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C559 | 1-136-173-00 | FILM 0.47MF 5% | 50V | C1336 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C561 | 1-136-159-00 | FILM 0.033MF 5% | 50V | C1338 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C564 | 1-126-964-11 | ELECT 10MF 20% | 50V | C1339 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C565 | 1-126-960-11 | ELECT 1MF 20% | 50V | C1340 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C566 | 1-137-150-11 | MYLAR 0.01MF 10% | 100V | C1341 | 1-163-275-11 | CERAMIC CHIP 0.001MF 5% | 50V |
| C567 | 1-136-499-11 | FILM 0.047MF 5% | 50V | C1342 | 1-163-105-00 | CERAMIC CHIP 33PF 5% | 50V |
| C568 | 1-126-960-11 | ELECT 1MF 20% | 50V | C1343 | 1-163-113-00 | CERAMIC CHIP 68PF 5% | 50V |
| C569 | 1-131-351-00 | TANTALUM 4.7MF 10% | 25V | C1344 | 1-163-083-00 | CERAMIC CHIP 1PF 0.25PF | 50V |
| C570 | 1-126-767-11 | ELECT 1000MF 20% | 16V | C1345 | 1-124-261-00 | ELECT 10MF 20% | 50V |
| C571 | 1-163-022-00 | CERAMIC CHIP 0.012MF 10% | 50V | C1346 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| C572 | 1-104-709-11 | ELECT 4.7MF 0 | 160V | C1347 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C573 | 1-136-173-00 | FILM 0.47MF 5% | 50V | C1348 | 1-163-127-00 | CERAMIC CHIP 270PF 5% | 50V |
| C576 | 1-102-244-00 | CERAMIC 220PF 10% | 500V | C1349 | 1-163-117-00 | CERAMIC CHIP 100PF 5% | 50V |
| C577 | 1-107-906-11 | ELECT 10MF 20% | 50V | C1350 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% | 50V |
| C578 | 1-136-112-00 | FILM 1.4MF 5% | 200V | C1351 | 1-126-160-11 | ELECT 1MF 20% | 50V |
| C579 | 1-107-910-11 | ELECT 100MF 20% | 50V | C1352 | 1-163-023-00 | CERAMIC CHIP 0.015MF 10% | 50V |
| C580 | 1-136-756-11 | FILM 0.24MF 5% | 200V | C1353 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C581 | 1-126-963-11 | ELECT 4.7MF 20% | 50V | C1354 | 1-163-121-00 | CERAMIC CHIP 150PF 5% | 50V |
| C582 | 1-102-002-00 | CERAMIC 680PF 10% | 500V | C1355 | 1-163-259-91 | CERAMIC CHIP 220PF 5% | 50V |
| C583 | 1-136-828-11 | FILM 1.8MF 5% | 200V | C1356 | 1-163-235-11 | CERAMIC CHIP 22PF 5% | 50V |
| C584 | 1-107-949-11 | ELECT 2.2MF 20% | 160V | C1357 | 1-104-661-91 | ELECT 330MF 20% | 16V |
| C585 | 1-107-960-11 | ELECT 4.7MF 20% | 250V | C1358 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| C586 | 1-126-942-61 | ELECT 1000MF 20% | 25V | C1359 | 1-163-263-11 | CERAMIC CHIP 330PF 5% | 50V |
| C587 | 1-102-030-00 | CERAMIC 330PF 10% | 500V | C1360 | 1-164-161-11 | CERAMIC CHIP 0.0022MF 10% | 50V |
| C588 | 1-107-906-11 | ELECT 10MF 20% | 50V | C1362 | 1-163-249-11 | CERAMIC CHIP 82PF 5% | 50V |
| C589 | 1-102-030-00 | CERAMIC 330PF 10% | 500V | C1363 | 1-163-235-11 | CERAMIC CHIP 22PF 5% | 50V |
| C590 | 1-107-903-11 | ELECT 2.2MF 20% | 50V | C1364 | 1-163-133-00 | CERAMIC CHIP 470PF 5% | 50V |
| C591 | 1-107-365-11 | FILM 0.015MF 10% | 200V | C1365 | 1-163-227-11 | CERAMIC CHIP 10PF 0.5PF | 50V |
| C592 | 1-107-635-11 | ELECT 4.7MF 20% | 160V | C1366 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C593 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C1367 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C594 | 1-163-229-11 | CERAMIC CHIP 12PF 5% | 50V | C1372 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C595 | 1-107-889-11 | ELECT 220MF 20% | 25V | C1373 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C596 | 1-104-665-11 | ELECT 100MF 20% | 25V | C1374 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C597 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V | C1375 | 1-126-963-11 | ELECT 4.7MF 20% | 50V |
| C598 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V | C1378 | 1-163-231-11 | CERAMIC CHIP 15PF 5% | 50V |
| C599 | 1-124-261-00 | ELECT 10MF 20% | 50V | C1391 | 1-136-165-00 | FILM 0.1MF 5% | 50V |
| C1300 | 1-104-664-11 | ELECT 47MF 20% | 25V | C1394 | 1-126-967-11 | ELECT 47MF 20% | 50V |
| C1302 | 1-163-133-00 | CERAMIC CHIP 470PF 5% | 50V | C1395 | 1-126-967-11 | ELECT 47MF 20% | 50V |
| C1304 | 1-104-664-11 | ELECT 47MF 20% | 25V | C1396 | 1-163-275-11 | CERAMIC CHIP 0.001MF 5% | 50V |
| C1305 | 1-104-664-11 | ELECT 47MF 20% | 25V | C1397 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1307 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C1398 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C1308 | 1-126-933-11 | ELECT 100MF 20% | 10V | C1399 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1309 | 1-163-257-11 | CERAMIC CHIP 180PF 5% | 50V | C1400 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1311 | 1-104-664-11 | ELECT 47MF 20% | 25V | C1401 | 1-136-173-00 | FILM 0.47MF 5% | 50V |
| C1312 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C1402 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1313 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C1403 | 1-136-173-00 | FILM 0.47MF 5% | 50V |
| C1314 | 1-104-664-11 | ELECT 47MF 20% | 25V | C1404 | 1-164-299-11 | CERAMIC CHIP 0.22MF 10% | 25V |
| C1315 | 1-104-664-11 | ELECT 47MF 20% | 25V | C1408 | 1-163-113-00 | CERAMIC CHIP 68PF 5% | 50V |
| C1316 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C1500 | 1-126-768-11 | ELECT 2200MF 20% | 16V |
| C1317 | 1-104-664-11 | ELECT 47MF 20% | 25V | C1501 | 1-126-925-11 | ELECT 470MF 20% | 10V |
| C1318 | 1-104-664-11 | ELECT 47MF 20% | 25V | C1505 | 1-136-165-00 | FILM 0.1MF 5% | 50V |
| C1319 | 1-124-234-00 | ELECT 22MF 20% | 16V | C1506 | 1-104-661-91 | ELECT 330MF 20% | 16V |
| C1320 | 1-104-664-11 | ELECT 47MF 20% | 25V | C1507 | 1-163-141-00 | CERAMIC CHIP 0.001MF 5% | 50V |



Les composants identifiés par
une trame et une marque Δ
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifié.

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|------------------------------|--------|
| C1508 | 1-126-963-11 | ELECT 4.7MF 20% 50V | |
| C1509 | 1-126-964-11 | ELECT 10MF 20% 50V | |
| C1510 | 1-126-963-11 | ELECT 4.7MF 20% 50V | |
| C1511 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% 50V | |
| C1512 | 1-126-963-11 | ELECT 4.7MF 20% 50V | |
| C1513 | 1-163-197-00 | CERAMIC CHIP 470PF 5% 50V | |
| C1514 | 1-130-477-00 | MYLAR 0.0033MF 5% 50V | |
| C1515 | 1-126-964-11 | ELECT 10MF 20% 50V | |
| C1516 | 1-163-063-91 | CERAMIC CHIP 0.022MF 10% 50V | |
| C1517 | 1-128-526-11 | ELECT 100MF 20% 10V | |
| C1518 | 1-107-909-11 | ELECT 47MF 20% 16V | |
| C1521 | 1-163-243-11 | CERAMIC CHIP 47PF 5% 50V | |
| C1530 | 1-163-031-11 | CERAMIC CHIP 0.01MF 50V | |
| C1538 | 1-163-251-11 | CERAMIC CHIP 100PF 5% 50V | |
| C1539 | 1-163-119-00 | CERAMIC CHIP 120PF 5% 50V | |
| C1540 | 1-163-263-11 | CERAMIC CHIP 330PF 5% 50V | |
| C1541 | 1-163-121-00 | CERAMIC CHIP 150PF 5% 50V | |
| C1542 | 1-163-121-00 | CERAMIC CHIP 150PF 5% 50V | |
| C2501 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% 50V | |
| C2502 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% 50V | |

C2510 Δ 1-130-061-91 FILM 0.0015MF 5% 630V

<CONNECTOR>

| | | |
|-------|----------------|-------------------------------|
| CN101 | * 1-573-979-11 | CONNECTOR, BOARD TO BOARD 11P |
| CN102 | * 1-564-514-11 | PLUG, CONNECTOR 11P |
| CN104 | * 1-564-506-11 | PLUG, CONNECTOR 3P |
| CN105 | * 1-766-745-11 | CONNECTOR, BOARD TO BOARD 12P |
| CN201 | * 1-564-506-11 | PLUG, CONNECTOR 3P |
| CN301 | * 1-564-514-11 | PLUG, CONNECTOR 11P |
| CN302 | * 1-564-510-11 | PLUG, CONNECTOR 7P |
| CN305 | 1-779-070-21 | PIN, CONNECTOR 12P |
| CN306 | * 1-564-506-11 | PLUG, CONNECTOR 3P |
| CN401 | * 1-564-511-11 | PLUG, CONNECTOR 8P |
| CN402 | * 1-564-515-11 | PLUG, CONNECTOR 12P |
| CN501 | * 1-580-798-11 | CONNECTOR PIN (DY) 6P |
| CN502 | * 1-573-964-11 | PIN, CONNECTOR (PC BOARD) 6P |
| CN503 | * 1-573-964-11 | PIN, CONNECTOR (PC BOARD) 6P |
| CN504 | * 1-564-506-11 | PLUG, CONNECTOR 3P |
| CN505 | * 1-564-506-11 | PLUG, CONNECTOR 3P |
| CN507 | 1-695-915-11 | TAB (CONTACT) |

<COMPOSITION CIRCUIT BLOCK>

| | | |
|-------|--------------|---------------------------|
| CP300 | 1-236-366-11 | MODULE, TRAP |
| CP301 | 1-236-365-11 | MODULE, TRAP |
| CP302 | 1-808-654-21 | MODULE |
| CP303 | 1-466-162-61 | FILTER BLOCK, COM (CFB-4) |

<DIODE>

| | | |
|------|--------------|-------------------|
| D100 | 8-719-404-49 | DIODE MA111 |
| D101 | 8-719-800-76 | DIODE 1SS226 |
| D102 | 8-719-800-76 | DIODE 1SS226 |
| D103 | 8-719-045-70 | DIODE 1SV230TPH3 |
| D104 | 8-719-800-76 | DIODE 1SS226 |
| D105 | 8-719-800-76 | DIODE 1SS226 |
| D107 | 8-719-800-76 | DIODE 1SS226 |
| D108 | 8-719-104-34 | DIODE 1S2836 |
| D109 | 8-719-801-78 | DIODE 1SS184 |
| D111 | 8-719-977-05 | DIODE DTZ6.2 |
| D114 | 8-719-404-49 | DIODE MA111 |
| D115 | 8-719-977-05 | DIODE DTZ6.2 |
| D116 | 8-719-404-49 | DIODE MA111 |
| D117 | 8-719-920-76 | DIODE 1S2076 |
| D200 | 8-719-977-46 | DIODE DTZ13C |
| D300 | 8-719-025-07 | DIODE 1SV232-TPH3 |
| D301 | 8-719-404-49 | DIODE MA111 |
| D303 | 8-719-977-05 | DIODE DTZ6.2 |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-----------------------|--------|
| D304 | 8-719-801-78 | DIODE 1SS184 | |
| D305 | 8-719-800-76 | DIODE 1SS226 | |
| D307 | 8-719-404-49 | DIODE MA111 | |
| D308 | 8-719-404-49 | DIODE MA111 | |
| D309 | 8-719-404-49 | DIODE MA111 | |
| D310 | 8-719-104-34 | DIODE 1S2836 | |
| D311 | 8-719-045-70 | DIODE 1SV230TPH3 | |
| D313 | 8-719-801-78 | DIODE 1SS184 | |
| D314 | 8-719-404-49 | DIODE MA111 | |
| D315 | 8-719-404-49 | DIODE MA111 | |
| D317 | 8-719-404-49 | DIODE MA111 | |
| D320 | 8-719-404-49 | DIODE MA111 | |
| D322 | 8-719-404-49 | DIODE MA111 | |
| D323 | 8-719-404-49 | DIODE MA111 | |
| D324 | 8-719-404-49 | DIODE MA111 | |
| D325 | 8-719-801-78 | DIODE 1SS184 | |
| D326 | 8-719-404-49 | DIODE MA111 | |
| D327 | 8-719-104-34 | DIODE 1S2836 | |
| D332 | 8-719-404-49 | DIODE MA111 | |
| D333 | 8-719-404-49 | DIODE MA111 | |
| D335 | 8-719-404-49 | DIODE MA111 | |
| D337 | 8-719-404-49 | DIODE MA111 | |
| D338 | 8-719-404-49 | DIODE MA111 | |
| D339 | 8-719-404-49 | DIODE MA111 | |
| D344 | 8-719-801-78 | DIODE 1SS184 | |
| D345 | 8-719-104-34 | DIODE 1S2836 | |
| D346 | 8-719-104-34 | DIODE 1S2836 | |
| D347 | 8-719-104-34 | DIODE 1S2836 | |
| D360 | 1-216-295-91 | SHORT | 0 |
| D361 | 1-216-295-91 | SHORT | 0 |
| D362 | 8-719-158-40 | DIODE RD10SB1 | |
| D363 | 8-719-158-40 | DIODE RD10SB1 | |
| D364 | 8-719-104-34 | DIODE 1S2836 | |
| D365 | 8-719-404-49 | DIODE MA111 | |
| D381 | 8-719-404-49 | DIODE MA111 | |
| D401 | 8-719-404-49 | DIODE MA111 | |
| D404 | 8-719-800-76 | DIODE 1SS226 | |
| D405 | 8-719-801-78 | DIODE 1SS184 | |
| D406 | 8-719-404-49 | DIODE MA111 | |
| D407 | 8-719-404-49 | DIODE MA111 | |
| D408 | 8-719-404-49 | DIODE MA111 | |
| D410 | 8-719-404-49 | DIODE MA111 | |
| D411 | 8-719-404-49 | DIODE MA111 | |
| D414 | 8-719-801-78 | DIODE 1SS184 | |
| D415 | 8-719-801-78 | DIODE 1SS184 | |
| D416 | 8-719-801-78 | DIODE 1SS184 | |
| D417 | 8-719-801-78 | DIODE 1SS184 | |
| D418 | 8-719-801-78 | DIODE 1SS184 | |
| D421 | 8-719-404-49 | DIODE MA111 | |
| D422 | 8-719-404-49 | DIODE MA111 | |
| D423 | 8-719-800-76 | DIODE 1SS226 | |
| D424 | 8-719-404-49 | DIODE MA111 | |
| D425 | 8-719-800-76 | DIODE 1SS226 | |
| D427 | 8-719-404-49 | DIODE MA111 | |
| D500 | 8-719-404-49 | DIODE MA111 | |
| D501 | 8-719-977-03 | DIODE DTZ5.6B | |
| D502 | 8-719-979-80 | DIODE UF5406 | |
| D503 | 8-719-404-49 | DIODE MA111 | |
| D504 | 8-719-901-83 | DIODE 1SS83 | |
| D505 | 8-719-028-72 | DIODE RGP02-17EL-6433 | |
| D506 | 8-719-033-83 | DIODE ERD07-15 | |
| D507 | 8-719-800-76 | DIODE 1SS226 | |
| D508 | 8-719-800-76 | DIODE 1SS226 | |
| D510 | 8-719-302-43 | DIODE EL1Z | |
| D512 | 8-719-979-80 | DIODE UF5406 | |
| D513 | 8-719-404-49 | DIODE MA111 | |
| D514 | 8-719-971-20 | DIODE ERC38-06 | |
| D515 | 8-719-971-20 | DIODE ERC38-06 | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------------|---------------|----------------------|--------|
| D516 | 8-719-404-49 | DIODE MA111 | |
| D517 | 8-719-404-49 | DIODE MA111 | |
| D518 | 8-719-404-49 | DIODE MA111 | |
| D519 | 8-719-404-49 | DIODE MA111 | |
| D520 | 8-719-801-78 | DIODE 1SS184 | |
| D521 | 8-719-404-49 | DIODE MA111 | |
| D522 | 8-719-977-05 | DIODE DTZ6.2 | |
| D523 | 8-719-404-49 | DIODE MA111 | |
| D524 | 8-719-200-02 | DIODE 10E-2 | |
| D525 | 8-719-200-02 | DIODE 10E-2 | |
| D526 | 8-719-404-49 | DIODE MA111 | |
| D527 | 8-719-200-02 | DIODE 10E-2 | |
| D528 | 8-719-300-76 | DIODE RH-1A | |
| D529 | 8-719-200-02 | DIODE 10E-2 | |
| D530 | 8-719-300-76 | DIODE RH-1A | |
| D531 | 8-719-977-32 | DIODE DTZ11B | |
| D532 | 8-719-800-76 | DIODE 1SS226 | |
| D533 | 8-719-302-43 | DIODE EL1Z | |
| D534 | 8-719-404-49 | DIODE MA111 | |
| D535 | 8-719-404-49 | DIODE MA111 | |
| D536 | 8-719-800-76 | DIODE 1SS226 | |
| D538 | 8-719-800-76 | DIODE 1SS226 | |
| D539 | 8-719-404-49 | DIODE MA111 | |
| D540 | 8-719-404-49 | DIODE MA111 | |
| D541 | 8-719-801-78 | DIODE 1SS184 | |
| D543 | 8-719-404-49 | DIODE MA111 | |
| <DELAY LINE> | | | |
| DL300 | 1-415-633-11 | DELAY LINE, Y | |
| DL301 | 1-415-632-11 | DELAY LINE, Y | |
| DL401 | 1-409-547-11 | DELAY LINE | |
| <FERRITE BEAD> | | | |
| FB501 | 1-410-396-41 | FERRITE | 0.45UH |
| <FILTER> | | | |
| FL300 | 1-236-547-11 | TRAP, LC | |
| FL401 | 1-236-364-11 | FILTER, BAND PASS | |
| <IC> | | | |
| IC101 | *8-759-478-14 | IC uPD78P018FYCW-MD1 | |
| IC102 | 8-759-354-28 | IC ST24C02FM6TR | |
| IC103 | 8-759-008-48 | IC MC74HC86F | |
| IC104 | 8-759-262-59 | IC uPD6451AGT-632-E2 | |
| IC105 | 8-759-196-70 | IC M62358FP-E1 | |
| IC106 | 8-759-196-70 | IC M62358FP-E1 | |
| IC107 | 8-759-196-70 | IC M62358FP-E1 | |
| IC108 | 8-759-042-02 | IC S-80743AL-A7-S | |
| IC109 | 8-759-196-70 | IC M62358FP-E1 | |
| IC110 | 8-759-196-70 | IC M62358FP-E1 | |
| IC111 | 8-759-009-22 | IC MC14094BF | |
| IC112 | 8-759-354-27 | IC ST24C01FM6TR | |
| IC200 | 8-759-420-04 | IC AN5265 | |
| IC302 | 8-759-998-98 | IC LM358D | |
| IC303 | 8-759-009-51 | IC MC14538BF | |
| IC304 | 8-759-932-67 | IC BU4053BCF | |
| IC305 | 8-759-631-08 | IC M51279FP | |
| IC306 | 8-759-358-46 | IC MM1114XFBE | |
| IC307 | 8-759-008-67 | IC MC14066BF | |
| IC309 | 8-759-358-46 | IC MM1114XFBE | |
| IC310 | 8-759-932-67 | IC BU4053BCF | |
| IC311 | 8-759-008-67 | IC MC14066BF | |
| IC312 | 8-759-358-46 | IC MM1114XFBE | |
| IC313 | 8-759-446-66 | IC MM1113XFBE | |
| IC314 | 8-759-446-66 | IC MM1113XFBE | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|------------------|--------------|-----------------------|--------|
| IC315 | 8-759-932-67 | IC BU4053BCF | |
| IC316 | 8-759-432-78 | IC MM1111XFBE | |
| IC317 | 8-759-009-51 | IC MC14538BF | |
| IC318 | 8-759-009-67 | IC MC14584BF | |
| IC319 | 8-759-008-67 | IC MC14066BF | |
| IC320 | 8-759-358-46 | IC MM1114XFBE | |
| IC321 | 8-759-446-66 | IC MM1113XFBE | |
| IC322 | 8-759-446-66 | IC MM1113XFBE | |
| IC323 | 8-759-446-66 | IC MM1113XFBE | |
| IC324 | 8-759-446-66 | IC MM1113XFBE | |
| IC325 | 8-759-446-66 | IC MM1113XFBE | |
| IC326 | 8-759-060-00 | IC BA10324AF | |
| IC327 | 8-759-008-67 | IC MC14066BF | |
| IC350 | 8-759-909-71 | IC BA4558F | |
| IC402 | 8-752-053-21 | IC CXA1211M | |
| IC404 | 8-752-067-05 | IC CXA1739S | |
| IC405 | 8-759-932-67 | IC BU4053BCF | |
| IC407 | 8-759-008-67 | IC MC14066BF | |
| IC408 | 8-759-510-73 | IC BA10393F-E2 | |
| IC409 | 8-759-060-00 | IC BA10324AF | |
| IC410 | 8-759-009-06 | IC MC14052BF | |
| IC411 | 8-759-008-92 | IC MC14024BF | |
| IC412 | 8-759-932-67 | IC BU4053BCF | |
| IC413 | 8-759-932-67 | IC BU4053BCF | |
| IC500 | 8-749-010-07 | IC H8D7248 | |
| IC502 | 8-759-009-51 | IC MC14538BF | |
| IC503 | 8-759-009-51 | IC MC14538BF | |
| IC504 | 8-752-053-21 | IC CXA1211M | |
| IC505 | 8-759-088-08 | IC uPC7812AHF | |
| IC506 | 8-759-009-51 | IC MC14538BF | |
| IC507 | 8-759-100-60 | IC uPC1377C | |
| IC508 | 8-752-053-21 | IC CXA1211M | |
| IC509 | 8-759-998-98 | IC LM358D | |
| IC510 | 8-759-009-51 | IC MC14538BF | |
| IC513 | 8-759-009-51 | IC MC14538BF | |
| <CHIP CONDUCTOR> | | | |
| JR302 | 1-216-295-91 | SHORT | 0 |
| JR307 | 1-216-295-91 | SHORT | 0 |
| JR310 | 1-216-295-91 | SHORT | 0 |
| <COIL> | | | |
| L101 | 1-408-609-41 | INDUCTOR 33UH | |
| L102 | 1-408-611-31 | INDUCTOR 47UH | |
| L104 | 1-408-619-31 | INDUCTOR 220UH | |
| L105 | 1-410-482-31 | INDUCTOR 100UH | |
| L300 | 1-410-478-11 | INDUCTOR 47UH | |
| L305 | 1-410-196-11 | INDUCTOR CHIP 2.2UH | |
| L308 | 1-410-466-41 | INDUCTOR 4.7UH | |
| L309 | 1-410-470-11 | INDUCTOR 10UH | |
| L311 | 1-410-470-11 | INDUCTOR 10UH | |
| L312 | 1-412-011-31 | INDUCTOR CHIP 27UH | |
| L314 | 1-412-011-31 | INDUCTOR CHIP 27UH | |
| L316 | 1-412-011-31 | INDUCTOR CHIP 27UH | |
| L317 | 1-410-090-41 | INDUCTOR 18mH | |
| L319 | 1-408-615-31 | INDUCTOR 100UH | |
| L320 | 1-410-682-31 | INDUCTOR 470UH | |
| L401 | 1-410-478-11 | INDUCTOR 47UH | |
| L402 | 1-410-216-31 | INDUCTOR CHIP 100UH | |
| L403 | 1-410-216-31 | INDUCTOR CHIP 100UH | |
| L404 | 1-410-216-31 | INDUCTOR CHIP 100UH | |
| L405 | 1-408-613-31 | INDUCTOR 68UH | |
| L406 | 1-408-613-31 | INDUCTOR 68UH | |
| L409 | 1-410-214-31 | INDUCTOR CHIP 68UH | |
| L500 | 1-459-155-00 | COIL (WITH CORE) 45UH | |
| L501 | 1-407-365-00 | COIL,CHOKE | |
| L502 | 1-407-365-00 | COIL,CHOKE | |

A

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--------------|-----------------------|-------------------------------|--------|
| L503 | 1-410-093-11 | INDUCTOR 33mH | |
| L504 | 1-410-666-31 | INDUCTOR 18UH | |
| L505 | 1-410-671-31 | INDUCTOR 47UH | |
| L507 | 1-410-686-11 | INDUCTOR 1mH | |
| L508 | 1-412-530-31 | INDUCTOR 27UH | |
| L509 | 1-459-075-11 | COIL,DYNAMIC CONVERSION CHOKE | |
| L511 | 1-459-105-21 | INDUCTOR 0UH | |
| L512 | 1-459-155-00 | COIL (WITH CORE) 45UH | |
| L513 | 1-412-447-11 | INDUCTOR 3.9mH | |
| L514 | 1-459-104-00 | COIL, DUST CORE | |
| L515 | 1-459-059-00 | COIL,DUST CORE | |
| L516 | Δ 1-416-162-11 | COIL, HORIZONTAL LINEARITY | |
| L517 | 1-412-547-21 | INDUCTOR 680UH | |
| <NEON LAMP> | | | |
| NL500 | 1-519-526-11 | LAMP, NEON | |
| <TRANSISTOR> | | | |
| Q101 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q104 | 8-729-907-26 | TRANSISTOR IMX1 | |
| Q105 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| Q107 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| Q108 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q110 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q112 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q113 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q114 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q200 | 8-729-140-96 | TRANSISTOR 2SD774-34 | |
| Q201 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q300 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q301 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q302 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q303 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q305 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q306 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q307 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q308 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q309 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q310 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q311 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q312 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q313 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q314 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| Q315 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q316 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q318 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q319 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q320 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q321 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q322 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q323 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q324 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q325 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q326 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q327 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q328 | 8-729-141-53 | TRANSISTOR 2SK94-X2X3X4 | |
| Q329 | 8-729-141-53 | TRANSISTOR 2SK94-X2X3X4 | |
| Q330 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q331 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q332 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q333 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q335 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q338 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q339 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q341 | 8-729-920-39 | TRANSISTOR IMT1US | |
| Q342 | 8-729-920-39 | TRANSISTOR IMT1US | |
| Q343 | 8-729-920-39 | TRANSISTOR IMT1US | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|----------------------------|--------|
| Q345 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q350 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q351 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q352 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q353 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q354 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q355 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q356 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q360 | 8-729-907-26 | TRANSISTOR IMX1 | |
| Q361 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| Q362 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q363 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q364 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q365 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q366 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q367 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q368 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q369 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| Q372 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q380 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q381 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q382 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q383 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q384 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q385 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q386 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q401 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q402 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q407 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q409 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q410 | 8-729-907-26 | TRANSISTOR IMX1 | |
| Q412 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q414 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q415 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q416 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q417 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q418 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q419 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q420 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q421 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q422 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q423 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q424 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q425 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q426 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q428 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q429 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q430 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q431 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q432 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q433 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q434 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q435 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q436 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q437 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q442 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q443 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q444 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q445 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q446 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q447 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q448 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q449 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q500 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q501 | 8-729-821-87 | TRANSISTOR 2SD1878-CA | |
| Q502 | 8-729-119-80 | TRANSISTOR 2SC2688-LK | |
| Q503 | 8-729-033-29 | TRANSISTOR 2SD1210(LK)-MT2 | |
| Q505 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |

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| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|------------|--------------|---------------------------|-----------------|----------|--------------|-------------|-----------------|
| Q506 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | R200 | 1-216-686-11 | METAL CHIP | 30K 0.50% 1/10W |
| Q507 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | R201 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| Q508 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | R202 | 1-212-857-00 | FUSIBLE | 10 5% 1/4W F |
| | | | | R203 | 1-260-095-11 | CARBON | 470 5% 1/2W |
| | | | | R204 | 1-260-072-11 | CARBON | 4.7 5% 1/2W |
| Q511 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | R205 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W |
| Q512 | 8-729-195-82 | TRANSISTOR 2SC2958-L | | R206 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| Q513 | 8-729-122-03 | TRANSISTOR 2SA1220A-P | | R207 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| Q514 | 8-729-901-00 | TRANSISTOR DTC124EK | | R208 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| Q515 | 8-729-106-92 | TRANSISTOR 2SC2690A-Q | | R209 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| Q516 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | R210 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| Q517 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | | R211 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| Q518 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | R302 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| Q519 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | R304 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| Q520 | 8-729-021-82 | TRANSISTOR 2SD2396K | | R307 | 1-216-115-00 | RES,CHIP | 560K 5% 1/10W |
| Q522 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | R308 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| Q523 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | R311 | 1-216-055-00 | RES,CHIP | 1.8K 5% 1/10W |
| Q524 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | R312 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| Q525 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | R313 | 1-216-648-11 | METAL CHIP | 750 0.50% 1/10W |
| Q533 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | R314 | 1-216-099-00 | RES,CHIP | 120K 5% 1/10W |
| Q534 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | R315 | 1-216-099-00 | RES,CHIP | 120K 5% 1/10W |
| Q535 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | R316 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| <RESISTOR> | | | | R317 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R101 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R318 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R102 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R320 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R103 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R321 | 1-216-051-00 | RES,CHIP | 1.2K 5% 1/10W |
| R104 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R322 | 1-216-035-00 | RES,CHIP | 270 5% 1/10W |
| R105 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W | R323 | 1-216-109-00 | RES,CHIP | 330K 5% 1/10W |
| R106 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R324 | 1-216-101-00 | RES,CHIP | 150K 5% 1/10W |
| R107 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R325 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| R108 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R326 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R109 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R328 | 1-216-121-91 | RES,CHIP | 1M 5% 1/10W |
| R110 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R329 | 1-216-055-00 | RES,CHIP | 1.8K 5% 1/10W |
| R113 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W | R330 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R117 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R331 | 1-216-093-00 | RES,CHIP | 68K 5% 1/10W |
| R119 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R332 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R130 | 1-216-099-00 | RES,CHIP | 120K 5% 1/10W | R333 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R132 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R334 | 1-216-093-00 | RES,CHIP | 68K 5% 1/10W |
| R134 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R335 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W |
| R137 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R336 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R140 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W | R342 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R141 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W | R345 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W |
| R144 | 1-216-295-91 | SHORT | 0 | R346 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R149 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R349 | 1-216-694-11 | METAL CHIP | 62K 0.50% 1/10W |
| R151 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W | R350 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R154 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R351 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R155 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W | R354 | 1-216-123-11 | RES,CHIP | 1.2M 5% 1/10W |
| R157 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R357 | 1-216-121-91 | RES,CHIP | 1M 5% 1/10W |
| R158 | 1-216-295-91 | SHORT | 0 | R366 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R159 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W | R371 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R160 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W | R372 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R162 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R373 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W |
| R163 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R374 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W |
| R164 | 1-216-067-00 | RES,CHIP | 5.6K 5% 1/10W | R375 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R165 | 1-216-295-91 | SHORT | 0 | R376 | 1-216-111-91 | RES,CHIP | 390K 5% 1/10W |
| R167 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W | R378 | 1-216-114-00 | RES,CHIP | 510K 5% 1/10W |
| R168 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W | R379 | 1-216-067-00 | RES,CHIP | 5.6K 5% 1/10W |
| R169 | 1-216-107-00 | RES,CHIP | 270K 5% 1/10W | R380 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R171 | 1-216-031-00 | RES,CHIP | 180 5% 1/10W | R381 | 1-216-689-11 | RES,CHIP | 39K 5% 1/10W |
| R172 | 1-216-295-91 | SHORT | 0 | R382 | 1-216-101-00 | RES,CHIP | 150K 5% 1/10W |
| R177 | 1-216-214-00 | RES,CHIP | 4.7K 5% 1/8W | R386 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W |
| R181 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R387 | 1-216-029-00 | RES,CHIP | 150 5% 1/10W |
| R184 | 1-216-649-11 | METAL CHIP | 820 0.50% 1/10W | R388 | 1-216-039-00 | RES,CHIP | 390 5% 1/10W |
| R185 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R389 | 1-216-649-11 | METAL CHIP | 820 0.50% 1/10W |
| R189 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R390 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| R190 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R393 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R192 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R394 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W |
| R195 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R395 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| | | | | R397 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |

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| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|------------------|
| R398 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W |
| R399 | 1-216-111-91 | RES,CHIP | 390K 5% 1/10W |
| R400 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R404 | 1-216-029-00 | RES,CHIP | 150 5% 1/10W |
| R406 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W |
| R407 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R408 | 1-216-689-11 | METAL CHIP | 39K 0.50% 1/10W |
| R410 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W |
| R411 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R413 | 1-216-668-11 | METAL CHIP | 5.1K 0.50% 1/10W |
| R414 | 1-216-673-11 | METAL CHIP | 8.2K 0.50% 1/10W |
| R416 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R417 | 1-216-665-11 | METAL CHIP | 3.9K 0.50% 1/10W |
| R418 | 1-216-667-11 | METAL CHIP | 4.7K 0.50% 1/10W |
| R419 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R420 | 1-216-687-11 | METAL CHIP | 33K 0.50% 1/10W |
| R426 | 1-216-039-00 | RES,CHIP | 390 5% 1/10W |
| R428 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R429 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R430 | 1-216-119-00 | RES,CHIP | 820K 5% 1/10W |
| R431 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R434 | 1-216-109-00 | RES,CHIP | 330K 5% 1/10W |
| R435 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W |
| R436 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R437 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R441 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W |
| R442 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W |
| R443 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R444 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W |
| R445 | 1-216-095-00 | RES,CHIP | 82K 5% 1/10W |
| R447 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W |
| R449 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R451 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| R452 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| R453 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R459 | 1-216-649-11 | METAL CHIP | 820 0.50% 1/10W |
| R460 | 1-216-295-91 | SHORT | 0 |
| R462 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| R463 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R464 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R465 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R466 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R468 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W |
| R469 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W |
| R471 | 1-216-109-00 | RES,CHIP | 330K 5% 1/10W |
| R472 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R473 | 1-216-121-91 | RES,CHIP | 1M 5% 1/10W |
| R476 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R477 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R478 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R479 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R482 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R483 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R484 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| R485 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R486 | 1-216-681-11 | METAL CHIP | 18K 0.50% 1/10W |
| R487 | 1-216-653-11 | METAL CHIP | 1.2K 0.50% 1/10W |
| R488 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R489 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R491 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R492 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R493 | 1-216-295-91 | SHORT | 0 |
| R494 | 1-216-696-11 | METAL CHIP | 75K 0.50% 1/10W |
| R495 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| R496 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R497 | 1-216-653-11 | METAL CHIP | 1.2K 0.50% 1/10W |
| R498 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R499 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|-----------------|
| R500 | 1-216-689-11 | RES,CHIP | 39K 5% 1/10W |
| R501 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R502 | 1-216-677-11 | METAL CHIP | 12K 0.50% 1/10W |
| R503 | 1-216-677-11 | METAL CHIP | 12K 0.50% 1/10W |
| R504 | 1-216-111-91 | RES,CHIP | 390K 5% 1/10W |
| R505 | 1-216-067-00 | RES,CHIP | 5.6K 5% 1/10W |
| R506 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R507 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W |
| R508 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W |
| R509 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R510 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R511 | 1-216-099-00 | RES,CHIP | 120K 5% 1/10W |
| R512 | 1-216-055-00 | RES,CHIP | 1.8K 5% 1/10W |
| R513 | 1-216-295-91 | SHORT | 0 |
| R514 | 1-216-295-91 | SHORT | 0 |
| R515 | 1-216-675-11 | METAL CHIP | 10K 0.50% 1/10W |
| R516 | 1-216-103-00 | RES,CHIP | 180K 5% 1/10W |
| R517 | 1-214-888-00 | METAL | 10K 1% 1/2W |
| R518 | 1-260-123-11 | CARBON | 100K 5% 1/2W |
| R519 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R520 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W F |
| R521 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R523 | 1-215-892-11 | METAL OXIDE | 1K 5% 2W F |
| R524 | 1-216-093-00 | RES,CHIP | 68K 5% 1/10W |
| R525 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W |
| R526 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R527 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R528 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R529 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R530 | 1-216-367-11 | METAL OXIDE | 0.68 5% 2W F |
| R531 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R532 | 1-215-920-11 | METAL OXIDE | 3.3K 5% 3W F |
| R533 | 1-247-723-11 | CARBON | 6.8K 5% 1/4W F |
| R534 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R535 | 1-249-448-11 | CARBON | 1.2 5% 1/4W F |
| R536 | 1-216-101-00 | RES,CHIP | 150K 5% 1/10W |
| R537 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R539 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R540 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R541 | 1-249-383-11 | CARBON | 1.5 5% 1/4W F |
| R542 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R543 | 1-212-883-00 | FUSIBLE | 120 5% 1/4W F |
| R544 | 1-216-095-00 | RES,CHIP | 82K 5% 1/10W |
| R545 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R546 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R547 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W |
| R548 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R549 | 1-216-677-11 | METAL CHIP | 12K 0.50% 1/10W |
| R550 | 1-216-053-00 | RES,CHIP | 1.5K 5% 1/10W |
| R551 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R552 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R553 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W |
| R554 | 1-216-095-00 | RES,CHIP | 82K 5% 1/10W |
| R555 | 1-216-692-11 | METAL CHIP | 51K 0.50% 1/10W |
| R556 | 1-215-897-11 | METAL OXIDE | 6.8K 5% 2W F |
| R557 | 1-216-462-00 | METAL OXIDE | 8.2K 5% 2W F |
| R558 | 1-215-891-11 | METAL OXIDE | 680 5% 2W F |
| R559 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W |
| R560 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W |
| R561 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R563 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R564 | 1-216-107-00 | RES,CHIP | 270K 5% 1/10W |
| R565 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R566 | 1-216-685-11 | METAL CHIP | 27K 0.50% 1/10W |
| R567 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R568 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R569 | 1-260-114-11 | CARBON | 18K 5% 1/2W |
| R571 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|------------------|----------|--------------|-------------|------------------|
| R572 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W | R1188 | 1-216-131-11 | RES,CHIP | 2.7M 5% 1/10W |
| R573 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R1189 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W |
| R575 | 1-249-383-11 | CARBON | 1.5 5% 1/4W F | R1190 | 1-216-131-11 | RES,CHIP | 2.7M 5% 1/10W |
| R576 | 1-216-101-00 | RES,CHIP | 150K 5% 1/10W | R1191 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W |
| R578 | 1-216-693-11 | METAL CHIP | 56K 0.50% 1/10W | R1192 | 1-216-131-11 | RES,CHIP | 2.7M 5% 1/10W |
| R579 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W | R1193 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R580 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W | R1194 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R582 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W | R1195 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R583 | 1-216-039-00 | RES,CHIP | 390 5% 1/10W | R1196 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R584 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R1197 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R585 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W | R1198 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R586 | 1-216-686-11 | METAL CHIP | 30K 0.50% 1/10W | R1303 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R587 | 1-216-675-11 | METAL CHIP | 10K 0.50% 1/10W | R1304 | 1-216-689-11 | RES,CHIP | 39K 5% 1/10W |
| R588 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W | R1305 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R589 | 1-216-067-00 | RES,CHIP | 5.6K 5% 1/10W | R1306 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W |
| R590 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W | R1307 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W |
| R591 | 1-216-682-11 | METAL CHIP | 20K 0.50% 1/10W | R1308 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W |
| R592 | 1-247-688-11 | CARBON | 10 5% 1/4W F | R1309 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R593 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W | R1310 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R594 | 1-247-713-11 | CARBON | 1K 5% 1/4W | R1311 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R595 | 1-216-689-11 | RES,CHIP | 39K 5% 1/10W | R1312 | 1-216-027-00 | RES,CHIP | 120 5% 1/10W |
| R596 | 1-214-754-00 | METAL | 11K 1% 1/4W | R1313 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R597 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | R1314 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R598 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W | R1315 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R599 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W | R1316 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R1103 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W | R1317 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R1104 | 1-216-699-11 | METAL CHIP | 100K 0.50% 1/10W | R1318 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R1105 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R1319 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R1106 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W | R1320 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R1107 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W | R1321 | 1-216-649-11 | METAL CHIP | 820 0.50% 1/10W |
| R1108 | 1-216-681-11 | METAL CHIP | 18K 0.50% 1/10W | R1322 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R1113 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W | R1324 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R1123 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R1325 | 1-216-652-11 | METAL CHIP | 1.1K 0.50% 1/10W |
| R1125 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R1326 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1126 | 1-216-041-00 | RES,CHIP | 470 5% 1/10W | R1327 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1128 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R1328 | 1-216-125-00 | RES,CHIP | 1.5M 5% 1/10W |
| R1129 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R1329 | 1-216-103-00 | RES,CHIP | 180K 5% 1/10W |
| R1130 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R1330 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R1131 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R1331 | 1-216-679-11 | METAL CHIP | 15K 0.50% 1/10W |
| R1132 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R1332 | 1-216-671-11 | METAL CHIP | 6.8K 0.50% 1/10W |
| R1133 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W | R1333 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R1134 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R1334 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W |
| R1136 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W | R1335 | 1-249-401-11 | CARBON | 47 5% 1/4W F |
| R1139 | 1-216-055-00 | RES,CHIP | 1.8K 5% 1/10W | R1336 | 1-216-095-00 | RES,CHIP | 82K 5% 1/10W |
| R1140 | 1-216-653-11 | METAL CHIP | 1.2K 0.50% 1/10W | R1337 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R1141 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R1338 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W |
| R1142 | 1-216-653-11 | METAL CHIP | 1.2K 0.50% 1/10W | R1339 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R1143 | 1-216-653-11 | METAL CHIP | 1.2K 0.50% 1/10W | R1340 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R1146 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R1341 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R1147 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R1342 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W |
| R1150 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W | R1343 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| R1151 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W | R1344 | 1-216-093-00 | RES,CHIP | 68K 5% 1/10W |
| R1155 | 1-216-133-00 | RES,CHIP | 3.3M 5% 1/10W | R1345 | 1-216-109-00 | RES,CHIP | 330K 5% 1/10W |
| R1163 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W | R1346 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R1164 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R1347 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1165 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R1348 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W |
| R1170 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W | R1349 | 1-216-035-00 | RES,CHIP | 270 5% 1/10W |
| R1171 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W | R1350 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1172 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W | R1351 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R1174 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W | R1352 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R1177 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R1353 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R1179 | 1-216-041-00 | RES,CHIP | 470 5% 1/10W | R1354 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R1180 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W | R1355 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R1182 | 1-216-131-11 | RES,CHIP | 2.7M 5% 1/10W | R1356 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W |
| R1183 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R1357 | 1-216-101-00 | RES,CHIP | 150K 5% 1/10W |
| R1184 | 1-216-131-11 | RES,CHIP | 2.7M 5% 1/10W | R1358 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W |
| R1185 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R1359 | 1-216-099-00 | RES,CHIP | 120K 5% 1/10W |
| R1186 | 1-216-131-11 | RES,CHIP | 2.7M 5% 1/10W | R1360 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R1187 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | | | | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|------------------|----------|--------------|-------------|-----------------|
| R1361 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W | R1432 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R1362 | 1-216-676-11 | METAL CHIP | 11K 0.50% 1/10W | R1433 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R1363 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W | R1434 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W |
| R1364 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R1435 | 1-216-055-00 | RES,CHIP | 1.8K 5% 1/10W |
| R1365 | 1-216-131-11 | RES,CHIP | 2.7M 5% 1/10W | R1436 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1366 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W | R1437 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W |
| R1367 | 1-216-660-11 | METAL CHIP | 2.4K 0.50% 1/10W | R1438 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1368 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W | R1439 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W |
| R1369 | 1-216-051-00 | RES,CHIP | 1.2K 5% 1/10W | R1440 | 1-216-041-00 | RES,CHIP | 470 5% 1/10W |
| R1370 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W | R1441 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R1371 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W | R1442 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1372 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W | R1443 | 1-216-013-00 | RES,CHIP | 33 5% 1/10W |
| R1373 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W | R1444 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R1374 | 1-216-101-00 | RES,CHIP | 150K 5% 1/10W | R1445 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W |
| R1375 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W | R1446 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W |
| R1376 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W | R1447 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R1378 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R1448 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R1379 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W | R1449 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R1380 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W | R1450 | 1-216-129-00 | RES,CHIP | 2.2M 5% 1/10W |
| R1381 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W | R1451 | 1-216-093-00 | RES,CHIP | 68K 5% 1/10W |
| R1382 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R1452 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R1383 | 1-216-681-11 | METAL CHIP | 18K 0.50% 1/10W | R1453 | 1-216-013-00 | RES,CHIP | 33 5% 1/10W |
| R1384 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W | R1454 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R1385 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R1455 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R1386 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W | R1456 | 1-216-129-00 | RES,CHIP | 2.2M 5% 1/10W |
| R1387 | 1-216-653-11 | METAL CHIP | 1.2K 0.50% 1/10W | R1457 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R1388 | 1-216-689-11 | METAL CHIP | 39K 0.50% 1/10W | R1458 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R1389 | 1-216-657-11 | METAL CHIP | 1.8K 0.50% 1/10W | R1459 | 1-216-133-00 | RES,CHIP | 3.3M 5% 1/10W |
| R1390 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W | R1460 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R1391 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R1461 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W |
| R1392 | 1-216-041-00 | RES,CHIP | 470 5% 1/10W | R1462 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W |
| R1393 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W | R1463 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W |
| R1394 | 1-216-041-00 | RES,CHIP | 470 5% 1/10W | R1464 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R1395 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R1465 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R1396 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R1466 | 1-216-055-00 | RES,CHIP | 1.8K 5% 1/10W |
| R1397 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R1467 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1399 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R1468 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W |
| R1401 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W | R1469 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R1402 | 1-216-295-91 | SHORT | 0 | R1470 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R1403 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W | R1471 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R1404 | 1-216-681-11 | METAL CHIP | 18K 0.50% 1/10W | R1472 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R1405 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R1473 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R1406 | 1-216-653-11 | METAL CHIP | 1.2K 0.50% 1/10W | R1475 | 1-216-677-11 | METAL CHIP | 12K 0.50% 1/10W |
| R1407 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W | R1476 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W |
| R1408 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W | R1477 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R1409 | 1-216-295-91 | SHORT | 0 | R1478 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R1410 | 1-216-053-00 | RES,CHIP | 1.5K 5% 1/10W | R1480 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R1411 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R1481 | 1-216-115-00 | RES,CHIP | 560K 5% 1/10W |
| R1412 | 1-216-107-00 | RES,CHIP | 270K 5% 1/10W | R1482 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R1413 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W | R1483 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R1414 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R1484 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R1415 | 1-216-093-00 | RES,CHIP | 68K 5% 1/10W | R1485 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R1416 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W | R1486 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R1417 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W | R1487 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R1418 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W | R1488 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W |
| R1419 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R1490 | 1-216-035-00 | RES,CHIP | 270 5% 1/10W |
| R1420 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W | R1491 | 1-216-035-00 | RES,CHIP | 270 5% 1/10W |
| R1421 | 1-216-649-11 | METAL CHIP | 820 0.50% 1/10W | R1492 | 1-216-035-00 | RES,CHIP | 270 5% 1/10W |
| R1422 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W | R1493 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W |
| R1423 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R1494 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R1424 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W | R1495 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R1425 | 1-216-013-00 | RES,CHIP | 33 5% 1/10W | R1496 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R1426 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W | R1498 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R1427 | 1-216-681-11 | METAL CHIP | 18K 0.50% 1/10W | R1500 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W |
| R1428 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W | R1501 | 1-216-075-00 | RES,CHIP | 12K 5% 1/10W |
| R1429 | 1-216-668-11 | METAL CHIP | 5.1K 0.50% 1/10W | R1502 | 1-260-111-11 | CARBON | 10K 5% 1/2W |
| R1430 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R1503 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W |
| R1431 | 1-216-129-00 | RES,CHIP | 2.2M 5% 1/10W | R1504 | 1-216-686-11 | METAL CHIP | 30K 0.50% 1/10W |
| | | | | R1505 | 1-247-688-11 | CARBON | 10 5% 1/4W F |

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

• The components identified by \boxtimes in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

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| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------------------------|--------------|-------------|------------------|----------|--------------|-------------|-----------------|
| R1506 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W | R2305 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R1507 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R2306 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R1508 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W | R2307 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R1510 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W | R2308 | 1-216-103-00 | RES,CHIP | 180K 5% 1/10W |
| R1511 | 1-216-360-11 | METAL OXIDE | 8.2 5% 1W F | R2309 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R1512 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W | R2310 | 1-216-095-00 | RES,CHIP | 82K 5% 1/10W |
| R1513 | 1-247-752-11 | CARBON | 1K 5% 1/2W F | R2311 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1514 | 1-247-711-11 | CARBON | 680 5% 1/4W F | R2312 | 1-216-053-00 | RES,CHIP | 1.5K 5% 1/10W |
| R1515 | 1-216-350-11 | METAL OXIDE | 1.2 5% 1W F | R2313 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R1517 | 1-216-109-00 | RES,CHIP | 330K 5% 1/10W | R2314 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W |
| R1518 | 1-215-867-00 | METAL OXIDE | 470 5% 1W F | R2315 | 1-216-679-11 | METAL CHIP | 15K 0.50% 1/10W |
| R1519 | 1-216-355-11 | METAL OXIDE | 3.3 5% 1W F | R2316 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R1520 | 1-216-027-00 | RES,CHIP | 120 5% 1/10W | R2317 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R1521 | 1-216-029-00 | RES,CHIP | 150 5% 1/10W | R2318 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W |
| R1523 | 1-216-350-11 | METAL OXIDE | 1.2 5% 1W F | R2319 | 1-216-093-00 | RES,CHIP | 68K 5% 1/10W |
| R1524 | 1-216-427-00 | METAL OXIDE | 120 5% 1W F | R2320 | 1-216-677-11 | METAL CHIP | 12K 0.50% 1/10W |
| R1525 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W | R2321 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R1526 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W | R2322 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R1527 | 1-249-413-11 | CARBON | 470 5% 1/4W F | R2323 | 1-216-683-11 | METAL CHIP | 22K 0.50% 1/10W |
| R1528 | 1-215-869-11 | METAL OXIDE | 1K 5% 1W F | R2324 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1529 | 1-202-829-11 | SOLID | 8.2K 20% 1/2W | R2325 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W |
| R1530 | 1-216-115-00 | RES,CHIP | 560K 5% 1/10W | R2326 | 1-216-041-00 | RES,CHIP | 470 5% 1/10W |
| R1531 | 1-247-697-11 | CARBON | 56 5% 1/4W F | R2327 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W |
| R1532 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W | R2328 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R1533 | 1-249-414-11 | CARBON | 560 5% 1/4W F | R2329 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W |
| R1534 | 1-216-659-11 | METAL CHIP | 2.2K 0.50% 1/10W | R2330 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| \boxtimes R1536 Δ | | METAL CHIP | | R2331 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W |
| R1537 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F | R2332 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R1538 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R2333 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R1540 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W | R2334 | 1-216-041-00 | RES,CHIP | 470 5% 1/10W |
| R1541 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W | R2335 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R1543 | 1-216-027-00 | RES,CHIP | 120 5% 1/10W | R2336 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R1547 | 1-216-391-11 | METAL OXIDE | 1.5 5% 3W F | R2337 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| R1548 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R2338 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1549 | 1-260-094-11 | CARBON | 390 5% 1/2W | R2339 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| R1550 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W | R2341 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| R1551 | 1-249-393-11 | CARBON | 10 5% 1/4W F | R2342 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W |
| R1552 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W | R2343 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R1553 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W | R2344 | 1-216-121-91 | RES,CHIP | 1M 5% 1/10W |
| R1554 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W | R2345 | 1-216-681-11 | METAL CHIP | 18K 0.50% 1/10W |
| R1555 | 1-216-295-91 | SHORT | 0 | R2346 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R1556 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R2347 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R1557 | 1-218-760-11 | METAL CHIP | 220K 0.50% 1/10W | R2348 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R1558 | 1-249-393-11 | CARBON | 10 5% 1/4W F | R2349 | 1-216-679-11 | METAL CHIP | 15K 0.50% 1/10W |
| R1559 | 1-249-393-11 | CARBON | 10 5% 1/4W F | R2350 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R1560 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R2351 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R1561 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W | R2352 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R1562 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W | R2353 | 1-216-041-00 | RES,CHIP | 470 5% 1/10W |
| R1563 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W | R2354 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R1565 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W | R2357 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W |
| R1567 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W | R2358 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R1570 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R2361 | 1-216-099-00 | RES,CHIP | 120K 5% 1/10W |
| R1571 | 1-216-103-00 | RES,CHIP | 180K 5% 1/10W | R2362 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R1572 | 1-216-101-00 | RES,CHIP | 150K 5% 1/10W | R2363 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R1573 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R2364 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R1574 | 1-216-041-00 | RES,CHIP | 470 5% 1/10W | R2365 | 1-216-687-11 | METAL CHIP | 33K 0.50% 1/10W |
| R1575 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R2366 | 1-216-067-00 | RES,CHIP | 5.6K 5% 1/10W |
| R1576 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R2367 | 1-216-099-00 | RES,CHIP | 120K 5% 1/10W |
| R1577 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R2368 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R1578 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R2369 | 1-216-675-11 | METAL CHIP | 10K 0.50% 1/10W |
| R1579 | 1-216-689-11 | METAL CHIP | 39K 0.50% 1/10W | R2371 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R1595 | 1-216-041-00 | RES,CHIP | 470 5% 1/10W | R2372 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R1596 | 1-216-099-00 | RES,CHIP | 120K 5% 1/10W | R2374 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R2300 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R2375 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R2301 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R2376 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R2302 | 1-216-671-11 | METAL CHIP | 6.8K 0.50% 1/10W | R2377 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R2303 | 1-216-093-00 | RES,CHIP | 68K 5% 1/10W | R2378 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R2304 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W | R2379 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |

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Les composants identifiés par
une trame et une marque Δ
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifié.

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|----------|--------------|-------------|------|-------|--------|
| R2380 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2381 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2382 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2383 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2384 | 1-216-689-11 | RES,CHIP | 39K | 5% | 1/10W |
| R2389 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2390 | 1-216-647-11 | METAL CHIP | 680 | 0.50% | 1/10W |
| R2391 | 1-216-647-11 | METAL CHIP | 680 | 0.50% | 1/10W |
| R2392 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2393 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2394 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2396 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R2397 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R2398 | 1-216-109-00 | RES,CHIP | 330K | 5% | 1/10W |
| R2399 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2501 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R2502 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R2503 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2504 | 1-216-101-00 | RES,CHIP | 150K | 5% | 1/10W |
| R2551 | 1-216-091-00 | RES,CHIP | 56K | 5% | 1/10W |
| R2552 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R2553 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R2555 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W |
| R2556 | 1-216-051-00 | RES,CHIP | 1.2K | 5% | 1/10W |
| R2557 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W |
| R2558 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2559 | 1-216-039-00 | RES,CHIP | 390 | 5% | 1/10W |
| R2560 | 1-216-069-00 | RES,CHIP | 6.8K | 5% | 1/10W |
| R2561 | 1-216-001-00 | RES,CHIP | 10 | 5% | 1/10W |
| R2562 | 1-216-001-00 | RES,CHIP | 10 | 5% | 1/10W |
| R2563 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R3301 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R3302 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R3303 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R3304 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R3308 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R3310 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R3311 | 1-216-689-11 | RES,CHIP | 39K | 5% | 1/10W |
| R3312 | 1-216-095-00 | RES,CHIP | 82K | 5% | 1/10W |
| R3317 | 1-216-675-11 | METAL CHIP | 10K | 0.50% | 1/10W |
| R3320 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R3323 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R3333 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R3334 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R3335 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R3336 | 1-216-045-00 | RES,CHIP | 680 | 5% | 1/10W |
| R3337 | 1-216-099-00 | RES,CHIP | 120K | 5% | 1/10W |
| R3338 | 1-216-103-00 | RES,CHIP | 180K | 5% | 1/10W |
| R3339 | 1-216-045-00 | RES,CHIP | 680 | 5% | 1/10W |
| R3346 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R3347 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R3348 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R3349 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R3350 | 1-216-119-00 | RES,CHIP | 820K | 5% | 1/10W |
| R3351 | 1-216-119-00 | RES,CHIP | 820K | 5% | 1/10W |
| R3355 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R3356 | 1-216-051-00 | RES,CHIP | 1.2K | 5% | 1/10W |
| R3357 | 1-216-051-00 | RES,CHIP | 1.2K | 5% | 1/10W |
| R3358 | 1-216-051-00 | RES,CHIP | 1.2K | 5% | 1/10W |
| R3359 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R3360 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R3361 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R3362 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R3363 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R3364 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R3376 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R3378 | 1-216-119-00 | RES,CHIP | 820K | 5% | 1/10W |
| R3390 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R3394 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|-----------------------|----------------------------|------|-------|--------|
| R3395 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R3396 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R3398 | 1-216-685-11 | METAL CHIP | 27K | 0.50% | 1/10W |
| R3399 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R3400 | 1-216-091-00 | RES,CHIP | 56K | 5% | 1/10W |
| R3401 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R3402 | 1-216-699-11 | METAL CHIP | 100K | 0.50% | 1/10W |
| R3403 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R3404 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R3405 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W |
| R3406 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R3407 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R4401 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R4404 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R4405 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W |
| R4407 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R4408 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R4409 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R4410 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R4411 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R4412 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R4413 | 1-216-295-91 | SHORT | 0 | | |
| R4414 | 1-216-295-91 | SHORT | 0 | | |
| R4415 | 1-216-295-91 | SHORT | 0 | | |
| R4416 | 1-216-295-91 | SHORT | 0 | | |
| <VARIABLE RESISTOR> | | | | | |
| RV501 | 1-223-102-00 | RES, ADJ, WIREWOUND 120 | | | |
| <TRANSFORMER> | | | | | |
| T500 | 1-426-668-11 | TRANSFORMER, FERRITE (HDT) | | | |
| T501 | Δ 1-453-233-11 | TRANSFORMER ASSY. FLBACK | | | |
| <THERMISTOR> | | | | | |
| TH500 | 1-807-970-11 | THERMISTOR | | | |
| <CRYSTAL> | | | | | |
| X101 | 1-579-175-11 | VIBRATOR, CERAMIC | | | |
| X300 | 1-577-259-11 | VIBRATOR, CRYSTAL | | | |
| X301 | 1-527-722-00 | VIBRATOR, CRYSTAL | | | |
| ***** | | | | | |
| * A-1298-297-A A BOARD, COMPLETE (20inch model) | | | | | |
| ***** | | | | | |
| 1-540-044-11 SOCKET, IC | | | | | |
| * 4-043-994-01 PLATE (CF), SHIELD | | | | | |
| * 4-058-301-01 RING, SHORT | | | | | |
| 4-382-854-11 SCREW (M3X10), P, SW (+) | | | | | |
| 7-682-948-01 SCREW +PSW 3X8 | | | | | |
| 7-685-663-79 SCREW +BVTP 4X16 TYPE2 IT-3 | | | | | |
| <BAND PASS FILTER> | | | | | |
| BPF400 | 1-236-363-11 | FILTER, BAND PASS | | | |
| <CAPACITOR> | | | | | |
| C105 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% | | 50V |
| C106 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% | | 50V |
| C114 | 1-163-031-11 | CERAMIC CHIP 0.01MF | | | 50V |
| C116 | 1-163-031-11 | CERAMIC CHIP 0.01MF | | | 50V |
| C117 | 1-163-031-11 | CERAMIC CHIP 0.01MF | | | 50V |

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| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-----------------------|----------|----------|--------------|-----------------------|------------|
| C118 | 1-163-259-91 | CERAMIC CHIP 220PF | 5% 50V | C360 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| C119 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C361 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C121 | 1-163-237-11 | CERAMIC CHIP 27PF | 5% 50V | C362 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C123 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C363 | 1-163-099-00 | CERAMIC CHIP 18PF | 5% 50V |
| C124 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V | C364 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C132 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% 50V | C365 | 1-106-343-00 | MYLAR 0.001MF | 10% 100V |
| C133 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V | C366 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C134 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V | C367 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C135 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V | C368 | 1-124-261-00 | ELECT 10MF | 20% 50V |
| C136 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V | C369 | 1-164-298-11 | CERAMIC CHIP 0.15MF | 10% 25V |
| C140 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V | C370 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C141 | 1-164-161-11 | CERAMIC CHIP 0.0022MF | 10% 50V | C371 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C142 | 1-163-259-91 | CERAMIC CHIP 220PF | 5% 50V | C372 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C143 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C373 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% 50V |
| C144 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C374 | 1-126-960-11 | ELECT 1MF | 20% 50V |
| C145 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C375 | 1-163-259-91 | CERAMIC CHIP 220PF | 5% 50V |
| C154 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% 50V | C376 | 1-126-959-11 | ELECT 0.47MF | 20% 50V |
| C155 | 1-163-023-00 | CERAMIC CHIP 0.015MF | 10% 50V | C377 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C156 | 1-163-019-00 | CERAMIC CHIP 0.0068MF | 10% 50V | C378 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C157 | 1-163-019-00 | CERAMIC CHIP 0.0068MF | 10% 50V | C379 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C158 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V | C380 | 1-126-767-11 | ELECT 1000MF | 20% 16V |
| C159 | 1-164-344-11 | CERAMIC CHIP 0.068MF | 10% 25V | C381 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C161 | 1-104-664-11 | ELECT 47MF | 20% 25V | C382 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% 50V |
| C162 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% 50V | C383 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C164 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C384 | 1-163-249-11 | CERAMIC CHIP 82PF | 5% 50V |
| C165 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C385 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C166 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V | C386 | 1-124-261-00 | ELECT 10MF | 20% 50V |
| C167 | 1-126-925-11 | ELECT 470MF | 20% 10V | C387 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% 50V |
| C168 | 1-126-925-11 | ELECT 470MF | 20% 10V | C388 | 1-124-261-00 | ELECT 10MF | 20% 50V |
| C169 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V | C390 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% 50V |
| C171 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V | C391 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C172 | 1-163-123-00 | CERAMIC CHIP 180PF | 5% 50V | C392 | 1-164-298-11 | CERAMIC CHIP 0.15MF | 10% 25V |
| C173 | 1-163-123-00 | CERAMIC CHIP 180PF | 5% 50V | C393 | 1-164-298-11 | CERAMIC CHIP 0.15MF | 10% 25V |
| C174 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% 50V | C394 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C200 | 1-126-963-11 | ELECT 4.7MF | 20% 50V | C395 | 1-163-235-11 | CERAMIC CHIP 22PF | 5% 50V |
| C201 | 1-137-353-11 | MYLAR 0.047MF | 10% 100V | C396 | 1-164-299-11 | CERAMIC CHIP 0.22MF | 10% 25V |
| C202 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% 50V | C397 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C203 | 1-126-963-11 | ELECT 4.7MF | 20% 50V | C398 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C204 | 1-126-964-11 | ELECT 10MF | 20% 50V | C399 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C205 | 1-126-767-11 | ELECT 1000MF | 20% 16V | C400 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C206 | 1-128-526-11 | ELECT 100MF | 20% 25V | C401 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V |
| C207 | 1-104-665-11 | ELECT 100MF | 20% 25V | C407 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C208 | 1-126-964-11 | ELECT 10MF | 20% 50V | C409 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C209 | 1-126-963-11 | ELECT 4.7MF | 20% 50V | C411 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C304 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V | C414 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C305 | 1-163-259-91 | CERAMIC CHIP 220PF | 5% 50V | C415 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C306 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C416 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| C310 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V | C417 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| C311 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V | C418 | 1-164-182-11 | CERAMIC CHIP 0.0033MF | 10% 50V |
| C312 | 1-126-961-11 | ELECT 2.2MF | 20% 50V | C419 | 1-126-925-11 | ELECT 470MF | 20% 10V |
| C313 | 1-163-145-00 | CERAMIC CHIP 0.0015MF | 5% 50V | C420 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C314 | 1-163-249-11 | CERAMIC CHIP 82PF | 5% 50V | C421 | 1-164-222-11 | CERAMIC CHIP 0.22MF | 25V |
| C315 | 1-126-964-11 | ELECT 10MF | 20% 50V | C422 | 1-126-960-11 | ELECT 1MF | 20% 50V |
| C316 | 1-104-664-11 | ELECT 47MF | 20% 25V | C423 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C318 | 1-126-964-11 | ELECT 10MF | 20% 50V | C424 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C325 | 1-126-964-11 | ELECT 10MF | 20% 50V | C426 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% 50V |
| C328 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C427 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C340 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C429 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C343 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C430 | 1-104-661-91 | ELECT 330MF | 20% 16V |
| C349 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% 50V | C431 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C350 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% 50V | C433 | 1-163-235-11 | CERAMIC CHIP 22PF | 5% 50V |
| C352 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C434 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C353 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V | C435 | 1-163-089-00 | CERAMIC CHIP 6PF | 0.25PF 50V |
| C354 | 1-163-121-00 | CERAMIC CHIP 150PF | 5% 50V | C437 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C355 | 1-126-960-11 | ELECT 1MF | 20% 50V | C439 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C356 | 1-126-963-11 | ELECT 4.7MF | 20% 50V | C440 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C357 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C441 | 1-126-962-11 | ELECT 3.3MF | 20% 50V |
| C358 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C442 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C359 | 1-104-664-11 | ELECT 47MF | 20% 25V | | | | |

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Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-----------------------|-----------|
| C443 | 1-163-107-00 | CERAMIC CHIP 39PF | 5% 50V |
| C444 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C446 | 1-163-229-11 | CERAMIC CHIP 12PF | 5% 50V |
| C447 | 1-163-263-11 | CERAMIC CHIP 330PF | 5% 50V |
| C448 | 1-163-107-00 | CERAMIC CHIP 39PF | 5% 50V |
| C449 | 1-163-227-11 | CERAMIC CHIP 10PF | 0.5PF 50V |
| C450 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C451 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C452 | 1-163-263-11 | CERAMIC CHIP 330PF | 5% 50V |
| C453 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C454 | 1-163-107-00 | CERAMIC CHIP 39PF | 5% 50V |
| C455 | 1-163-263-11 | CERAMIC CHIP 330PF | 5% 50V |
| C456 | 1-163-229-11 | CERAMIC CHIP 12PF | 5% 50V |
| C457 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C458 | 1-163-249-11 | CERAMIC CHIP 82PF | 5% 50V |
| C459 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C460 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C461 | 1-163-119-00 | CERAMIC CHIP 120PF | 5% 50V |
| C462 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C463 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C464 | 1-164-299-11 | CERAMIC CHIP 0.22MF | 10% 25V |
| C465 | 1-163-231-11 | CERAMIC CHIP 15PF | 5% 50V |
| C466 | 1-163-119-00 | CERAMIC CHIP 120PF | 5% 50V |
| C467 | 1-163-119-00 | CERAMIC CHIP 120PF | 5% 50V |
| C469 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% 50V |
| C470 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% 50V |
| C471 | 1-163-105-00 | CERAMIC CHIP 33PF | 5% 50V |
| C472 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C473 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C475 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C476 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C477 | 1-164-299-11 | CERAMIC CHIP 0.22MF | 10% 25V |
| C478 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C479 | 1-163-121-00 | CERAMIC CHIP 150PF | 5% 50V |
| C483 | 1-163-249-11 | CERAMIC CHIP 82PF | 5% 50V |
| C484 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% 50V |
| C485 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% 50V |
| C486 | 1-163-249-11 | CERAMIC CHIP 82PF | 5% 50V |
| C487 | 1-163-235-11 | CERAMIC CHIP 22PF | 5% 50V |
| C490 | 1-164-336-11 | CERAMIC CHIP 0.33MF | 25V |
| C491 | 1-164-336-11 | CERAMIC CHIP 0.33MF | 25V |
| C492 | 1-164-336-11 | CERAMIC CHIP 0.33MF | 25V |
| C493 | 1-104-760-11 | CERAMIC CHIP 0.047MF | 10% 50V |
| C494 | 1-164-005-11 | CERAMIC CHIP 0.47MF | 25V |
| C495 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C496 | 1-163-249-11 | CERAMIC CHIP 82PF | 5% 50V |
| C497 | 1-163-011-11 | CERAMIC CHIP 0.0015MF | 10% 50V |
| C498 | 1-126-961-11 | ELECT 2.2MF | 20% 50V |
| C499 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C500 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C501 | 1-164-182-11 | CERAMIC CHIP 0.0033MF | 10% 50V |
| C502 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% 50V |
| C503 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V |
| C504 | 1-136-495-11 | FILM 0.068MF | 5% 50V |
| C505 | 1-163-199-00 | CERAMIC CHIP 560PF | 5% 50V |
| C506 | 1-126-959-11 | ELECT 0.47MF | 20% 50V |
| C507 | 1-128-526-11 | ELECT 100MF | 20% 25V |
| C508 | 1-130-497-00 | MYLAR 0.15MF | 5% 50V |
| C509 | 1-128-566-11 | ELECT 470MF | 20% 100V |
| C511 | 1-107-368-11 | FILM 0.047MF | 10% 200V |
| C512 | 1-126-959-11 | ELECT 0.47MF | 20% 50V |
| C513 | 1-124-261-00 | ELECT 10MF | 20% 50V |
| C514 | 1-129-718-91 | FILM 0.022MF | 5% 630V |
| C515 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| C516 | 1-102-030-00 | CERAMIC 330PF | 10% 500V |
| C517 | 1-163-024-00 | CERAMIC CHIP 0.018MF | 10% 50V |
| C518 | 1-107-947-11 | ELECT 220MF | 20% 160V |
| C519 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% 50V |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------------|----------|
| C520 | 1-163-257-11 | CERAMIC CHIP 180PF | 5% 50V |
| C521 | 1-162-114-00 | CERAMIC 0.0047MF | 2KV |
| C522 | 1-126-768-11 | ELECT 2200MF | 20% 16V |
| C523 | 1-107-902-11 | ELECT 1MF | 20% 50V |
| C525 | 1-136-081-11 | FILM 0.012MF | 3% 2KV |
| C526 | 1-162-116-91 | CERAMIC 680PF | 10% 2KV |
| C529 | 1-107-901-11 | ELECT 0.47MF | 20% 50V |
| C530 | 1-104-666-11 | ELECT 220MF | 20% 25V |
| C531 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C532 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C533 | 1-102-212-00 | CERAMIC 820PF | 10% 500V |
| C534 | 1-107-662-11 | ELECT 22MF | 20% 250V |
| C537 | 1-126-971-11 | ELECT 470MF | 20% 50V |
| C538 | 1-137-150-11 | MYLAR 0.01MF | 10% 100V |
| C539 | 1-130-480-00 | FILM 0.0056MF | 5% 50V |
| C540 | 1-163-133-00 | CERAMIC CHIP 470PF | 5% 50V |
| C541 | 1-107-905-11 | ELECT 4.7MF | 20% 50V |
| C542 | 1-136-481-11 | MYLAR 0.0022MF | 10% 100V |
| C543 | 1-136-481-11 | MYLAR 0.0022MF | 10% 100V |
| C544 | 1-137-150-11 | MYLAR 0.01MF | 10% 100V |
| C545 | 1-102-212-00 | CERAMIC 820PF | 10% 500V |
| C546 | 1-163-119-00 | CERAMIC CHIP 120PF | 5% 50V |
| C547 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V |
| C548 | 1-102-212-00 | CERAMIC 820PF | 10% 500V |
| C549 | 1-107-906-11 | ELECT 10MF | 20% 50V |
| C550 | 1-107-905-11 | ELECT 4.7MF | 20% 50V |
| C551 | 1-106-375-12 | MYLAR 0.022MF | 10% 100V |
| C552 | 1-107-889-11 | ELECT 220MF | 20% 25V |
| C553 | 1-106-389-00 | MYLAR 0.082MF | 10% 200V |
| C554 | 1-130-736-11 | FILM 0.01MF | 5% 50V |
| C555 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C556 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C557 | 1-106-381-12 | MYLAR 0.039MF | 10% 100V |
| C558 | 1-126-960-11 | ELECT 1MF | 20% 50V |
| C559 | 1-136-173-00 | FILM 0.47MF | 5% 50V |
| C561 | 1-136-159-00 | FILM 0.033MF | 5% 50V |
| C564 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C565 | 1-126-960-11 | ELECT 1MF | 20% 50V |
| C566 | 1-137-150-11 | MYLAR 0.01MF | 10% 100V |
| C567 | 1-136-499-11 | FILM 0.047MF | 5% 50V |
| C568 | 1-126-960-11 | ELECT 1MF | 20% 50V |
| C569 | 1-131-350-00 | TANTALUM 3.3MF | 10% 25V |
| C570 | 1-126-767-11 | ELECT 1000MF | 20% 16V |
| C571 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| C572 | 1-104-709-11 | ELECT 4.7MF | 0 160V |
| C573 | 1-136-177-00 | FILM 1MF | 5% 50V |
| C576 | 1-102-244-00 | CERAMIC 220PF | 10% 500V |
| C577 | 1-107-906-11 | ELECT 10MF | 20% 50V |
| C578 | 1-136-111-00 | FILM 1MF | 5% 200V |
| C579 | 1-107-910-11 | ELECT 100MF | 20% 50V |
| C580 | 1-136-105-00 | FILM 0.33MF | 5% 200V |
| C581 | 1-126-963-11 | ELECT 4.7MF | 20% 50V |
| C582 | 1-102-002-00 | CERAMIC 680PF | 10% 500V |
| C583 | 1-136-541-11 | FILM 1.5MF | 5% 200V |
| C584 | 1-107-949-11 | ELECT 2.2MF | 20% 160V |
| C585 | 1-107-960-11 | ELECT 4.7MF | 20% 250V |
| C586 | 1-126-942-61 | ELECT 1000MF | 20% 25V |
| C587 | 1-102-030-00 | CERAMIC 330PF | 10% 500V |
| C588 | 1-107-906-11 | ELECT 10MF | 20% 50V |
| C589 | 1-102-030-00 | CERAMIC 330PF | 10% 500V |
| C590 | 1-107-903-11 | ELECT 2.2MF | 20% 50V |
| C591 | 1-107-365-11 | FILM 0.015MF | 10% 200V |
| C592 | 1-107-635-11 | ELECT 4.7MF | 20% 160V |
| C593 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C594 | 1-163-229-11 | CERAMIC CHIP 12PF | 5% 50V |
| C595 | 1-107-889-11 | ELECT 220MF | 20% 25V |
| C596 | 1-104-665-11 | ELECT 100MF | 20% 25V |
| C597 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V |
| C598 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V |




| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------------------|--------|
| C599 | 1-124-261-00 | ELECT 10MF 20% | 50V |
| C1300 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1302 | 1-163-131-00 | CERAMIC CHIP 390PF 5% | 50V |
| C1304 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1305 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1307 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1308 | 1-126-933-11 | ELECT 100MF 20% | 10V |
| C1309 | 1-163-257-11 | CERAMIC CHIP 180PF 5% | 50V |
| C1311 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1312 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1313 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1314 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1315 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1316 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1317 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1318 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1319 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C1320 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1321 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1322 | 1-126-934-11 | ELECT 220MF 20% | 16V |
| C1323 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1324 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1325 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1326 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1327 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1328 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1329 | 1-126-964-11 | ELECT 10MF 20% | 50V |
| C1330 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1331 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1332 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1333 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1334 | 1-163-227-11 | CERAMIC CHIP 10PF 0.5PF | 50V |
| C1335 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1336 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1338 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1339 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1340 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1341 | 1-163-275-11 | CERAMIC CHIP 0.001MF | 50V |
| C1342 | 1-163-105-00 | CERAMIC CHIP 33PF 5% | 50V |
| C1343 | 1-163-113-00 | CERAMIC CHIP 68PF 5% | 50V |
| C1344 | 1-163-083-00 | CERAMIC CHIP 1PF 0.25PF | 50V |
| C1345 | 1-124-261-00 | ELECT 10MF 20% | 50V |
| C1346 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| C1347 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1348 | 1-163-127-00 | CERAMIC CHIP 270PF 5% | 50V |
| C1349 | 1-163-117-00 | CERAMIC CHIP 100PF 5% | 50V |
| C1350 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% | 50V |
| C1351 | 1-126-160-11 | ELECT 1MF 20% | 50V |
| C1352 | 1-163-023-00 | CERAMIC CHIP 0.015MF 10% | 50V |
| C1353 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1354 | 1-163-121-00 | CERAMIC CHIP 150PF 5% | 50V |
| C1355 | 1-163-259-91 | CERAMIC CHIP 220PF 5% | 50V |
| C1356 | 1-163-235-11 | CERAMIC CHIP 22PF 5% | 50V |
| C1357 | 1-104-661-91 | ELECT 330MF 20% | 16V |
| C1358 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| C1359 | 1-163-263-11 | CERAMIC CHIP 330PF 5% | 50V |
| C1360 | 1-164-161-11 | CERAMIC CHIP 0.0022MF 10% | 50V |
| C1362 | 1-163-249-11 | CERAMIC CHIP 82PF 5% | 50V |
| C1363 | 1-163-235-11 | CERAMIC CHIP 22PF 5% | 50V |
| C1364 | 1-163-133-00 | CERAMIC CHIP 470PF 5% | 50V |
| C1365 | 1-163-227-11 | CERAMIC CHIP 10PF 0.5PF | 50V |
| C1366 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1367 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1372 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1373 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1374 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1375 | 1-126-963-11 | ELECT 4.7MF 20% | 50V |
| C1378 | 1-163-231-11 | CERAMIC CHIP 15PF 5% | 50V |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|-----------------------------|----------------|-------------------------------|--------|
| C1391 | 1-136-165-00 | FILM 0.1MF 5% | 50V |
| C1394 | 1-126-967-11 | ELECT 47MF 20% | 50V |
| C1395 | 1-126-967-11 | ELECT 47MF 20% | 50V |
| C1396 | 1-163-275-11 | CERAMIC CHIP 0.001MF 5% | 50V |
| C1397 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1398 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C1399 | 1-104-664-11 | ELECT 47MF 20% | 25V |
| C1400 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1401 | 1-136-173-00 | FILM 0.47MF 5% | 50V |
| C1402 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1403 | 1-136-173-00 | FILM 0.47MF 5% | 50V |
| C1404 | 1-164-299-11 | CERAMIC CHIP 0.22MF 10% | 25V |
| C1408 | 1-163-107-00 | CERAMIC CHIP 39PF 5% | 50V |
| C1500 | 1-126-768-11 | ELECT 2200MF 20% | 16V |
| C1501 | 1-126-925-11 | ELECT 470MF 20% | 10V |
| C1505 | 1-136-165-00 | FILM 0.1MF 5% | 50V |
| C1506 | 1-104-661-91 | ELECT 330MF 20% | 16V |
| C1507 | 1-163-141-00 | CERAMIC CHIP 0.001MF 5% | 50V |
| C1508 | 1-126-963-11 | ELECT 4.7MF 20% | 50V |
| C1509 | 1-126-964-11 | ELECT 10MF 20% | 50V |
| C1510 | 1-126-963-11 | ELECT 4.7MF 20% | 50V |
| C1511 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% | 50V |
| C1512 | 1-126-963-11 | ELECT 4.7MF 20% | 50V |
| C1513 | 1-163-197-00 | CERAMIC CHIP 470PF 5% | 50V |
| C1514 | 1-130-477-00 | MYLAR 0.0033MF 5% | 50V |
| C1515 | 1-126-964-11 | ELECT 10MF 20% | 50V |
| C1516 | 1-163-063-91 | CERAMIC CHIP 0.022MF 10% | 50V |
| C1517 | 1-128-526-11 | ELECT 100MF 20% | 10V |
| C1518 | 1-107-909-11 | ELECT 47MF 20% | 16V |
| C1520 | 1-162-129-00 | CERAMIC 150PF 10% | 2KV |
| C1521 | 1-163-243-11 | CERAMIC CHIP 47PF 5% | 50V |
| C1530 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C1538 | 1-163-251-11 | CERAMIC CHIP 100PF 5% | 50V |
| C1539 | 1-163-119-00 | CERAMIC CHIP 120PF 5% | 50V |
| C1540 | 1-163-263-11 | CERAMIC CHIP 330PF 5% | 50V |
| C1541 | 1-163-121-00 | CERAMIC CHIP 150PF 5% | 50V |
| C1542 | 1-163-121-00 | CERAMIC CHIP 150PF 5% | 50V |
| C2501 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% | 50V |
| C2502 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% | 50V |
| <CONNECTOR> | | | |
| CN101 | * 1-573-979-11 | CONNECTOR, BOARD TO BOARD 11P | |
| CN102 | * 1-564-514-11 | PLUG, CONNECTOR 11P | |
| CN104 | * 1-564-506-11 | PLUG, CONNECTOR 3P | |
| CN105 | * 1-766-745-11 | CONNECTOR, BOARD TO BOARD 12P | |
| CN201 | * 1-564-506-11 | PLUG, CONNECTOR 3P | |
| CN301 | * 1-564-514-11 | PLUG, CONNECTOR 11P | |
| CN302 | * 1-564-510-11 | PLUG, CONNECTOR 7P | |
| CN305 | 1-779-070-21 | PIN, CONNECTOR 12P | |
| CN306 | * 1-564-506-11 | PLUG, CONNECTOR 3P | |
| CN401 | * 1-564-511-11 | PLUG, CONNECTOR 8P | |
| CN402 | * 1-564-515-11 | PLUG, CONNECTOR 12P | |
| CN501 | * 1-580-798-11 | CONNECTOR PIN (DY) 6P | |
| CN502 | * 1-573-964-11 | PIN, CONNECTOR (PC BOARD) 6P | |
| CN503 | * 1-573-964-11 | PIN, CONNECTOR (PC BOARD) 6P | |
| CN504 | * 1-564-506-11 | PLUG, CONNECTOR 3P | |
| CN505 | * 1-564-506-11 | PLUG, CONNECTOR 3P | |
| CN507 | 1-695-915-11 | TAB (CONTACT) | |
| CN508 | 1-766-240-11 | PIN, CONNECTOR (PC BOARD) 2P | |
| <COMPOSITION CIRCUIT BLOCK> | | | |
| CP300 | 1-236-366-11 | MODULE, TRAP | |
| CP301 | 1-236-365-11 | MODULE, TRAP | |
| CP302 | 1-808-654-21 | MODULE | |
| CP303 | 1-466-162-61 | FILTER BLOCK, COM (CFB-4) | |

A

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------------|--------|----------|---------------|-----------------------|--------|
| | | <DIODE> | | | | | |
| D100 | 8-719-404-49 | DIODE MA111 | | D422 | 8-719-404-49 | DIODE MA111 | |
| D101 | 8-719-800-76 | DIODE 1SS226 | | D423 | 8-719-800-76 | DIODE 1SS226 | |
| D102 | 8-719-800-76 | DIODE 1SS226 | | D424 | 8-719-404-49 | DIODE MA111 | |
| D103 | 8-719-045-70 | DIODE 1SV230TPH3 | | D425 | 8-719-800-76 | DIODE 1SS226 | |
| D104 | 8-719-800-76 | DIODE 1SS226 | | D427 | 8-719-404-49 | DIODE MA111 | |
| D105 | 8-719-800-76 | DIODE 1SS226 | | D500 | 8-719-404-49 | DIODE MA111 | |
| D107 | 8-719-800-76 | DIODE 1SS226 | | D501 | 8-719-977-03 | DIODE DTZ5.6B | |
| D108 | 8-719-104-34 | DIODE 1S2836 | | D502 | 8-719-979-80 | DIODE UF5406 | |
| D109 | 8-719-801-78 | DIODE 1SS184 | | D503 | 8-719-404-49 | DIODE MA111 | |
| D111 | 8-719-977-05 | DIODE DTZ6.2 | | D504 | 8-719-901-83 | DIODE 1SS83 | |
| D114 | 8-719-404-49 | DIODE MA111 | | D505 | 8-719-028-72 | DIODE RGP02-17EL-6433 | |
| D115 | 8-719-977-05 | DIODE DTZ6.2 | | D506 | 8-719-033-83 | DIODE ERD07-15 | |
| D116 | 8-719-404-49 | DIODE MA111 | | D507 | 8-719-800-76 | DIODE 1SS226 | |
| D117 | 8-719-920-76 | DIODE 1S2076 | | D508 | 8-719-800-76 | DIODE 1SS226 | |
| D200 | 8-719-977-46 | DIODE DTZ13C | | D510 | 8-719-302-43 | DIODE EL1Z | |
| D300 | 8-719-025-07 | DIODE 1SV232-TPH3 | | D512 | 8-719-979-80 | DIODE UF5406 | |
| D301 | 8-719-404-49 | DIODE MA111 | | D513 | 8-719-404-49 | DIODE MA111 | |
| D303 | 8-719-977-05 | DIODE DTZ6.2 | | D514 | 8-719-971-20 | DIODE ERC38-06 | |
| D304 | 8-719-801-78 | DIODE 1SS184 | | D515 | 8-719-971-20 | DIODE ERC38-06 | |
| D305 | 8-719-800-76 | DIODE 1SS226 | | D516 | 8-719-404-49 | DIODE MA111 | |
| D307 | 8-719-404-49 | DIODE MA111 | | D517 | 8-719-404-49 | DIODE MA111 | |
| D308 | 8-719-404-49 | DIODE MA111 | | D518 | 8-719-404-49 | DIODE MA111 | |
| D309 | 8-719-404-49 | DIODE MA111 | | D519 | 8-719-404-49 | DIODE MA111 | |
| D310 | 8-719-104-34 | DIODE 1S2836 | | D520 | 8-719-801-78 | DIODE 1SS184 | |
| D311 | 8-719-045-70 | DIODE 1SV230TPH3 | | D521 | 8-719-404-49 | DIODE MA111 | |
| D313 | 8-719-801-78 | DIODE 1SS184 | | D522 | 8-719-977-05 | DIODE DTZ6.2 | |
| D314 | 8-719-404-49 | DIODE MA111 | | D523 | 8-719-404-49 | DIODE MA111 | |
| D315 | 8-719-404-49 | DIODE MA111 | | D524 | 8-719-200-02 | DIODE 10E-2 | |
| D317 | 8-719-404-49 | DIODE MA111 | | D525 | 8-719-200-02 | DIODE 10E-2 | |
| D320 | 8-719-404-49 | DIODE MA111 | | D526 | 8-719-404-49 | DIODE MA111 | |
| D322 | 8-719-404-49 | DIODE MA111 | | D527 | 8-719-200-02 | DIODE 10E-2 | |
| D323 | 8-719-404-49 | DIODE MA111 | | D528 | 8-719-300-76 | DIODE RH-1A | |
| D324 | 8-719-404-49 | DIODE MA111 | | D529 | 8-719-200-02 | DIODE 10E-2 | |
| D325 | 8-719-801-78 | DIODE 1SS184 | | D530 | 8-719-300-76 | DIODE RH-1A | |
| D326 | 8-719-404-49 | DIODE MA111 | | D531 | 8-719-977-32 | DIODE DTZ11B | |
| D327 | 8-719-104-34 | DIODE 1S2836 | | D532 | 8-719-800-76 | DIODE 1SS226 | |
| D332 | 8-719-404-49 | DIODE MA111 | | D533 | 8-719-302-43 | DIODE EL1Z | |
| D333 | 8-719-404-49 | DIODE MA111 | | D534 | 8-719-404-49 | DIODE MA111 | |
| D335 | 8-719-404-49 | DIODE MA111 | | D535 | 8-719-404-49 | DIODE MA111 | |
| D337 | 8-719-404-49 | DIODE MA111 | | D536 | 8-719-800-76 | DIODE 1SS226 | |
| D338 | 8-719-404-49 | DIODE MA111 | | D538 | 8-719-800-76 | DIODE 1SS226 | |
| D339 | 8-719-404-49 | DIODE MA111 | | D539 | 8-719-404-49 | DIODE MA111 | |
| D344 | 8-719-801-78 | DIODE 1SS184 | | D540 | 8-719-404-49 | DIODE MA111 | |
| D345 | 8-719-104-34 | DIODE 1S2836 | | D541 | 8-719-801-78 | DIODE 1SS184 | |
| D346 | 8-719-104-34 | DIODE 1S2836 | | D543 | 8-719-404-49 | DIODE MA111 | |
| D347 | 8-719-104-34 | DIODE 1S2836 | | | | <DELAY LINE> | |
| D360 | 1-216-295-91 | SHORT 0 | | DL300 | 1-415-633-11 | DELAY LINE, Y | |
| D361 | 1-216-295-91 | SHORT 0 | | DL301 | 1-415-632-11 | DELAY LINE, Y | |
| D362 | 8-719-158-40 | DIODE RD10SB1 | | DL401 | 1-409-547-11 | DELAY LINE | |
| D363 | 8-719-158-40 | DIODE RD10SB1 | | | | <FERRITE BEAD> | |
| D364 | 8-719-104-34 | DIODE 1S2836 | | FB501 | 1-410-396-41 | FERRITE 0.45UH | |
| D365 | 8-719-404-49 | DIODE MA111 | | | | <FILTER> | |
| D381 | 8-719-404-49 | DIODE MA111 | | FL300 | 1-236-547-11 | TRAP, LC | |
| D401 | 8-719-404-49 | DIODE MA111 | | FL401 | 1-236-364-11 | FILTER, BAND PASS | |
| D404 | 8-719-800-76 | DIODE 1SS226 | | | | <IC> | |
| D405 | 8-719-801-78 | DIODE 1SS184 | | IC101 | *8-759-478-14 | IC uPD78P018FYCW-MD1 | |
| D406 | 8-719-404-49 | DIODE MA111 | | IC102 | 8-759-354-28 | IC ST24C02FM6TR | |
| D407 | 8-719-404-49 | DIODE MA111 | | IC103 | 8-759-008-48 | IC MC74HC86F | |
| D408 | 8-719-404-49 | DIODE MA111 | | IC104 | 8-759-262-59 | IC uPD6451AGT-632-E2 | |
| D410 | 8-719-404-49 | DIODE MA111 | | IC105 | 8-759-196-70 | IC M62358FP-E1 | |
| D411 | 8-719-404-49 | DIODE MA111 | | | | | |
| D414 | 8-719-801-78 | DIODE 1SS184 | | | | | |
| D415 | 8-719-801-78 | DIODE 1SS184 | | | | | |
| D416 | 8-719-801-78 | DIODE 1SS184 | | | | | |
| D417 | 8-719-801-78 | DIODE 1SS184 | | | | | |
| D418 | 8-719-801-78 | DIODE 1SS184 | | | | | |
| D421 | 8-719-404-49 | DIODE MA111 | | | | | |

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

A

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|------------------|--------------|-------------------|--------|
| IC106 | 8-759-196-70 | IC M62358FP-E1 | |
| IC107 | 8-759-196-70 | IC M62358FP-E1 | |
| IC108 | 8-759-042-02 | IC S-80743AL-A7-S | |
| IC109 | 8-759-196-70 | IC M62358FP-E1 | |
| IC110 | 8-759-196-70 | IC M62358FP-E1 | |
| IC111 | 8-759-009-22 | IC MC14094BF | |
| IC112 | 8-759-354-27 | IC ST24C01FM6TR | |
| IC200 | 8-759-420-04 | IC ANS265 | |
| IC302 | 8-759-998-98 | IC LM358D | |
| IC303 | 8-759-009-51 | IC MC14538BF | |
| IC304 | 8-759-932-67 | IC BU4053BCF | |
| IC305 | 8-759-631-08 | IC M51279FP | |
| IC306 | 8-759-358-46 | IC MM1114XFBE | |
| IC307 | 8-759-008-67 | IC MC14066BF | |
| IC309 | 8-759-358-46 | IC MM1114XFBE | |
| IC310 | 8-759-932-67 | IC BU4053BCF | |
| IC311 | 8-759-008-67 | IC MC14066BF | |
| IC312 | 8-759-358-46 | IC MM1114XFBE | |
| IC313 | 8-759-446-66 | IC MM1113XFBE | |
| IC314 | 8-759-446-66 | IC MM1113XFBE | |
| IC315 | 8-759-932-67 | IC BU4053BCF | |
| IC316 | 8-759-432-78 | IC MM1111XFBE | |
| IC317 | 8-759-009-51 | IC MC14538BF | |
| IC318 | 8-759-009-67 | IC MC14584BF | |
| IC319 | 8-759-008-67 | IC MC14066BF | |
| IC320 | 8-759-358-46 | IC MM1114XFBE | |
| IC321 | 8-759-446-66 | IC MM1113XFBE | |
| IC322 | 8-759-446-66 | IC MM1113XFBE | |
| IC323 | 8-759-446-66 | IC MM1113XFBE | |
| IC324 | 8-759-446-66 | IC MM1113XFBE | |
| IC325 | 8-759-446-66 | IC MM1113XFBE | |
| IC326 | 8-759-060-00 | IC BA10324AF | |
| IC327 | 8-759-008-67 | IC MC14066BF | |
| IC350 | 8-759-909-71 | IC BA4558F | |
| IC402 | 8-752-053-21 | IC CXA1211M | |
| IC404 | 8-752-067-05 | IC CXA1739S | |
| IC405 | 8-759-932-67 | IC BU4053BCF | |
| IC407 | 8-759-008-67 | IC MC14066BF | |
| IC408 | 8-759-510-73 | IC BA10393F-E2 | |
| IC409 | 8-759-060-00 | IC BA10324AF | |
| IC410 | 8-759-009-06 | IC MC14052BF | |
| IC411 | 8-759-008-92 | IC MC14024BF | |
| IC412 | 8-759-932-67 | IC BU4053BCF | |
| IC413 | 8-759-932-67 | IC BU4053BCF | |
| IC500 | 8-749-010-08 | IC H8D7249 | |
| IC502 | 8-759-009-51 | IC MC14538BF | |
| IC503 | 8-759-009-51 | IC MC14538BF | |
| IC504 | 8-752-053-21 | IC CXA1211M | |
| IC505 | 8-759-088-08 | IC uPC7812AHF | |
| IC506 | 8-759-009-51 | IC MC14538BF | |
| IC507 | 8-759-100-60 | IC uPC1377C | |
| IC508 | 8-752-053-21 | IC CXA1211M | |
| IC509 | 8-759-998-98 | IC LM358D | |
| IC510 | 8-759-009-51 | IC MC14538BF | |
| IC513 | 8-759-009-51 | IC MC14538BF | |
| <CHIP CONDUCTOR> | | | |
| JR302 | 1-216-295-91 | SHORT | 0 |
| JR307 | 1-216-295-91 | SHORT | 0 |
| JR310 | 1-216-295-91 | SHORT | 0 |
| <COIL> | | | |
| L101 | 1-408-609-41 | INDUCTOR 33UH | |
| L102 | 1-408-611-31 | INDUCTOR 47UH | |
| L104 | 1-408-619-31 | INDUCTOR 220UH | |
| L105 | 1-410-482-31 | INDUCTOR 100UH | |
| L300 | 1-410-478-11 | INDUCTOR 47UH | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--------------|--------------|---------------------------|--------|
| L305 | 1-410-196-11 | INDUCTOR CHIP 2.2UH | |
| L308 | 1-410-466-41 | INDUCTOR 4.7UH | |
| L309 | 1-410-470-11 | INDUCTOR 10UH | |
| L311 | 1-410-470-11 | INDUCTOR 10UH | |
| L312 | 1-412-011-31 | INDUCTOR CHIP 27UH | |
| L314 | 1-412-011-31 | INDUCTOR CHIP 27UH | |
| L316 | 1-412-011-31 | INDUCTOR CHIP 27UH | |
| L317 | 1-410-090-41 | INDUCTOR 18mH | |
| L319 | 1-408-615-31 | INDUCTOR 100UH | |
| L320 | 1-410-682-31 | INDUCTOR 470UH | |
| L401 | 1-410-478-11 | INDUCTOR 47UH | |
| L402 | 1-410-215-31 | INDUCTOR CHIP 82UH | |
| L403 | 1-410-215-31 | INDUCTOR CHIP 82UH | |
| L404 | 1-410-215-31 | INDUCTOR CHIP 82UH | |
| L405 | 1-408-613-31 | INDUCTOR 68UH | |
| L406 | 1-408-613-31 | INDUCTOR 68UH | |
| L409 | 1-410-215-31 | INDUCTOR CHIP 82UH | |
| L500 | 1-459-155-00 | COIL (WITH CORE) 45UH | |
| L501 | 1-407-365-00 | COIL, CHOKO | |
| L502 | 1-407-365-00 | COIL, CHOKO | |
| L503 | 1-410-093-11 | INDUCTOR 33mH | |
| L504 | 1-410-666-31 | INDUCTOR 18UH | |
| L505 | 1-410-671-31 | INDUCTOR 47UH | |
| L506 | 1-459-104-00 | COIL, DUST CORE | |
| L507 | 1-410-686-11 | INDUCTOR 1mH | |
| L508 | 1-412-530-31 | INDUCTOR 27UH | |
| L509 | 1-459-087-00 | COIL, HCC DUST CORE 3.9mH | |
| L510 | 1-459-106-00 | COIL, DUST CORE | |
| L512 | 1-459-232-11 | INDUCTOR 0UH | |
| L513 | 1-412-447-11 | INDUCTOR 3.9mH | |
| L514 | 1-459-104-00 | COIL, DUST CORE | |
| L515 | 1-459-059-00 | COIL, DUST CORE | |
| L517 | 1-412-547-21 | INDUCTOR 680UH | |
| <NEON LAMP> | | | |
| NL500 | 1-519-526-11 | LAMP, NEON | |
| <TRANSISTOR> | | | |
| Q101 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q104 | 8-729-907-26 | TRANSISTOR IMX1 | |
| Q105 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| Q107 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| Q108 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q110 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q112 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q113 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q114 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q200 | 8-729-140-96 | TRANSISTOR 2SD774-34 | |
| Q201 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q300 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q301 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q302 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q303 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q305 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q306 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q307 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q308 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q309 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q310 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q311 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q312 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q313 | 8-729-422-37 | TRANSISTOR 2SD601A-R | |
| Q314 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| Q315 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q316 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q318 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q319 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------------------|--------|----------|--------------|----------------------------|--------|
| Q320 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q430 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q321 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q431 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q322 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q432 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q323 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | Q433 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q324 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | Q434 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q325 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q435 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q326 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q436 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q327 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | Q437 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q328 | 8-729-141-53 | TRANSISTOR 2SK94-X2X3X4 | | Q442 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q329 | 8-729-141-53 | TRANSISTOR 2SK94-X2X3X4 | | Q443 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q330 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | Q444 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q331 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | Q445 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q332 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | Q446 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q333 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q447 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q335 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q448 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q338 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | Q449 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q339 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | Q500 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q341 | 8-729-920-39 | TRANSISTOR IMT1US | | Q501 | 8-729-821-87 | TRANSISTOR 2SD1878-CA | |
| Q342 | 8-729-920-39 | TRANSISTOR IMT1US | | Q502 | 8-729-119-80 | TRANSISTOR 2SC2688-LK | |
| Q343 | 8-729-920-39 | TRANSISTOR IMT1US | | Q503 | 8-729-033-29 | TRANSISTOR 2SD1210(LK)-MT2 | |
| Q345 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q505 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q350 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | Q506 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q351 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q507 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q352 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q508 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q353 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q511 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q354 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q512 | 8-729-195-82 | TRANSISTOR 2SC2958-L | |
| Q355 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q513 | 8-729-122-03 | TRANSISTOR 2SA1220A-P | |
| Q356 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | Q514 | 8-729-901-00 | TRANSISTOR DTC124EK | |
| Q360 | 8-729-907-26 | TRANSISTOR IMX1 | | Q515 | 8-729-106-92 | TRANSISTOR 2SC2690A-Q | |
| Q361 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | | Q516 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q362 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q517 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| Q363 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | Q518 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q364 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | Q519 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q365 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | Q520 | 8-729-021-82 | TRANSISTOR 2SD2396K | |
| Q366 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | Q522 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q367 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | Q523 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q368 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | Q524 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q369 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | | Q525 | 8-729-422-37 | TRANSISTOR 2SB709A-R | |
| Q372 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | Q533 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q373 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | Q534 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q380 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | Q535 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q381 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | Q2501 | 8-729-422-29 | TRANSISTOR 2SD601A-S | |
| Q382 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | | | | |
| Q383 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | | | | |
| Q384 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | | | | |
| Q385 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | | | | |
| Q386 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | | | | |
| Q401 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | | | | |
| Q402 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | | | | |
| Q407 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | | | | |
| Q409 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | | | | |
| Q410 | 8-729-907-26 | TRANSISTOR IMX1 | | | | | |
| Q412 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | | | | |
| Q414 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | | | | |
| Q415 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | | | | |
| Q416 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | | | | |
| Q417 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | | | | |
| Q418 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | | | |
| Q419 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | | | | |
| Q420 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | | | | |
| Q421 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | | | | |
| Q422 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | | | |
| Q423 | 8-729-422-29 | TRANSISTOR 2SD601A-S | | | | | |
| Q424 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | | | | |
| Q425 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | | | | |
| Q426 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | | | | |
| Q428 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | | | | |
| Q429 | 8-729-422-37 | TRANSISTOR 2SB709A-R | | | | | |

<RESISTOR>

| | | | | | |
|------|--------------|----------|------|----|-------|
| R101 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R102 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R103 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R104 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R105 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R106 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R107 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R108 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R109 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R110 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R113 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R117 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R119 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R130 | 1-216-099-00 | RES,CHIP | 120K | 5% | 1/10W |
| R132 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R134 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R137 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R140 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R141 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R144 | 1-216-295-91 | SHORT | 0 | | |
| R149 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R151 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R154 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R155 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |

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| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|-----------------|----------|--------------|-------------|------------------|
| R157 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R357 | 1-216-121-91 | RES,CHIP | 1M 5% 1/10W |
| R158 | 1-216-295-91 | SHORT | 0 | R366 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R159 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W | R371 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R160 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W | R372 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R162 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R373 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W |
| R163 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R374 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W |
| R164 | 1-216-067-00 | RES,CHIP | 5.6K 5% 1/10W | R375 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R165 | 1-216-295-91 | SHORT | 0 | R376 | 1-216-111-91 | RES,CHIP | 390K 5% 1/10W |
| R167 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W | R378 | 1-216-114-00 | RES,CHIP | 510K 5% 1/10W |
| R168 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W | R379 | 1-216-067-00 | RES,CHIP | 5.6K 5% 1/10W |
| R169 | 1-216-107-00 | RES,CHIP | 270K 5% 1/10W | R380 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R171 | 1-216-031-00 | RES,CHIP | 180 5% 1/10W | R381 | 1-216-689-11 | RES,CHIP | 39K 5% 1/10W |
| R172 | 1-216-295-91 | SHORT | 0 | R382 | 1-216-101-00 | RES,CHIP | 150K 5% 1/10W |
| R177 | 1-216-214-00 | RES,CHIP | 4.7K 5% 1/8W | R386 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W |
| R181 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R387 | 1-216-029-00 | RES,CHIP | 150 5% 1/10W |
| R184 | 1-216-649-11 | METAL CHIP | 820 0.50% 1/10W | R388 | 1-216-039-00 | RES,CHIP | 390 5% 1/10W |
| R185 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R389 | 1-216-649-11 | METAL CHIP | 820 0.50% 1/10W |
| R189 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R390 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| R190 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R393 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R192 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R394 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W |
| R195 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W | R395 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| R200 | 1-216-686-11 | METAL CHIP | 30K 0.50% 1/10W | R397 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R201 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R398 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W |
| R202 | 1-212-857-00 | FUSIBLE | 10 5% 1/4W F | R399 | 1-216-111-91 | RES,CHIP | 390K 5% 1/10W |
| R203 | 1-260-095-11 | CARBON | 470 5% 1/2W | R400 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R204 | 1-260-072-11 | CARBON | 4.7 5% 1/2W | R404 | 1-216-029-00 | RES,CHIP | 150 5% 1/10W |
| R205 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W | R405 | 1-216-121-91 | RES,CHIP | 1M 5% 1/10W |
| R206 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R406 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W |
| R207 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R407 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R208 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R408 | 1-216-689-11 | METAL CHIP | 39K 0.50% 1/10W |
| R209 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R410 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W |
| R210 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W | R411 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R211 | 1-249-393-11 | CARBON | 10 5% 1/4W F | R413 | 1-216-121-91 | RES,CHIP | 1M 5% 1/10W |
| R302 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R414 | 1-216-295-91 | SHORT | 0 |
| R304 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R416 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R307 | 1-216-115-00 | RES,CHIP | 560K 5% 1/10W | R417 | 1-216-665-11 | METAL CHIP | 3.9K 0.50% 1/10W |
| R308 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R418 | 1-216-667-11 | METAL CHIP | 4.7K 0.50% 1/10W |
| R311 | 1-216-055-00 | RES,CHIP | 1.8K 5% 1/10W | R426 | 1-216-039-00 | RES,CHIP | 390 5% 1/10W |
| R312 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R428 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R313 | 1-216-648-11 | METAL CHIP | 750 0.50% 1/10W | R429 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R314 | 1-216-099-00 | RES,CHIP | 120K 5% 1/10W | R430 | 1-216-119-00 | RES,CHIP | 820K 5% 1/10W |
| R315 | 1-216-099-00 | RES,CHIP | 120K 5% 1/10W | R431 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R316 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R434 | 1-216-109-00 | RES,CHIP | 330K 5% 1/10W |
| R317 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R435 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W |
| R318 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R436 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R320 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R437 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R321 | 1-216-051-00 | RES,CHIP | 1.2K 5% 1/10W | R441 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W |
| R322 | 1-216-035-00 | RES,CHIP | 270 5% 1/10W | R442 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W |
| R323 | 1-216-109-00 | RES,CHIP | 330K 5% 1/10W | R443 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R324 | 1-216-101-00 | RES,CHIP | 150K 5% 1/10W | R444 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W |
| R325 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W | R445 | 1-216-095-00 | RES,CHIP | 82K 5% 1/10W |
| R326 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W | R447 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W |
| R328 | 1-216-121-91 | RES,CHIP | 1M 5% 1/10W | R449 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R329 | 1-216-055-00 | RES,CHIP | 1.8K 5% 1/10W | R451 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| R330 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W | R452 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| R331 | 1-216-093-00 | RES,CHIP | 68K 5% 1/10W | R453 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R332 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W | R459 | 1-216-649-11 | METAL CHIP | 820 0.50% 1/10W |
| R333 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W | R460 | 1-216-295-91 | SHORT | 0 |
| R334 | 1-216-093-00 | RES,CHIP | 68K 5% 1/10W | R462 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| R335 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W | R463 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W |
| R336 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R464 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R342 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R465 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R345 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W | R466 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R346 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R468 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W |
| R349 | 1-216-694-11 | METAL CHIP | 62K 0.50% 1/10W | R469 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W |
| R350 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W | R471 | 1-216-109-00 | RES,CHIP | 330K 5% 1/10W |
| R351 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W | R472 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R354 | 1-216-119-00 | RES,CHIP | 820K 5% 1/10W | R473 | 1-216-121-91 | RES,CHIP | 1M 5% 1/10W |

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| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|------------------|
| R476 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R477 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R478 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R479 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R482 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R483 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R484 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| R485 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R486 | 1-216-681-11 | METAL CHIP | 18K 0.50% 1/10W |
| R487 | 1-216-653-11 | METAL CHIP | 1.2K 0.50% 1/10W |
| R488 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R489 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R491 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W |
| R492 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R493 | 1-216-295-91 | SHORT | 0 |
| R494 | 1-216-696-11 | METAL CHIP | 75K 0.50% 1/10W |
| R495 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| R496 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R497 | 1-216-653-11 | METAL CHIP | 1.2K 0.50% 1/10W |
| R498 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W |
| R499 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R500 | 1-216-689-11 | RES,CHIP | 39K 5% 1/10W |
| R501 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R502 | 1-216-677-11 | METAL CHIP | 12K 0.50% 1/10W |
| R503 | 1-216-677-11 | METAL CHIP | 12K 0.50% 1/10W |
| R504 | 1-216-111-91 | RES,CHIP | 390K 5% 1/10W |
| R505 | 1-216-067-00 | RES,CHIP | 5.6K 5% 1/10W |
| R506 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R507 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W |
| R508 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W |
| R509 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R510 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R511 | 1-216-099-00 | RES,CHIP | 120K 5% 1/10W |
| R512 | 1-216-055-00 | RES,CHIP | 1.8K 5% 1/10W |
| R513 | 1-216-295-91 | SHORT | 0 |
| R514 | 1-216-295-91 | SHORT | 0 |
| R515 | 1-216-675-11 | METAL CHIP | 10K 0.50% 1/10W |
| R516 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R517 | 1-214-896-81 | METAL | 20K 1% 1/2W |
| R518 | 1-260-123-11 | CARBON | 100K 5% 1/2W |
| R519 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R520 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W F |
| R521 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R523 | 1-215-892-11 | METAL OXIDE | 1K 5% 2W F |
| R524 | 1-216-093-00 | RES,CHIP | 68K 5% 1/10W |
| R525 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W |
| R526 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R527 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R528 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R529 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R530 | 1-216-367-11 | METAL OXIDE | 0.68 5% 2W F |
| R531 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R532 | 1-215-916-00 | METAL OXIDE | 680 5% 3W F |
| R533 | 1-247-723-11 | CARBON | 6.8K 5% 1/4W F |
| R534 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R535 | 1-249-448-11 | CARBON | 1.2 5% 1/4W F |
| R536 | 1-216-101-00 | RES,CHIP | 150K 5% 1/10W |
| R537 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R538 | 1-215-916-00 | METAL OXIDE | 680 5% 3W F |
| R539 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R540 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R541 | 1-249-383-11 | CARBON | 1.5 5% 1/4W F |
| R542 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R543 | 1-212-883-00 | FUSIBLE | 120 5% 1/4W F |
| R544 | 1-216-095-00 | RES,CHIP | 82K 5% 1/10W |
| R545 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R546 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R547 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W |
| R548 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |


| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|------------------|
| R549 | 1-216-677-11 | METAL CHIP | 12K 0.50% 1/10W |
| R550 | 1-216-053-00 | RES,CHIP | 1.5K 5% 1/10W |
| R551 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R552 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R553 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W |
| R554 | 1-216-095-00 | RES,CHIP | 82K 5% 1/10W |
| R555 | 1-216-692-11 | METAL CHIP | 51K 0.50% 1/10W |
| R556 | 1-215-897-11 | METAL OXIDE | 6.8K 5% 2W F |
| R557 | 1-216-462-00 | METAL OXIDE | 8.2K 5% 2W F |
| R558 | 1-215-891-11 | METAL OXIDE | 680 5% 2W F |
| R559 | 1-216-109-00 | RES,CHIP | 330K 5% 1/10W |
| R560 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W |
| R561 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R562 | 1-247-692-11 | CARBON | 22 5% 1/4W F |
| R563 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R564 | 1-216-107-00 | RES,CHIP | 270K 5% 1/10W |
| R565 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R566 | 1-216-685-11 | METAL CHIP | 27K 0.50% 1/10W |
| R567 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R568 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R569 | 1-260-119-11 | CARBON | 47K 5% 1/2W |
| R571 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R572 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W |
| R573 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W |
| R575 | 1-249-383-11 | CARBON | 1.5 5% 1/4W F |
| R576 | 1-216-101-00 | RES,CHIP | 150K 5% 1/10W |
| R578 | 1-216-693-11 | METAL CHIP | 56K 0.50% 1/10W |
| R579 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R580 | 1-216-105-91 | RES,CHIP | 220K 5% 1/10W |
| R582 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R583 | 1-216-039-00 | RES,CHIP | 390 5% 1/10W |
| R584 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R585 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| R586 | 1-216-686-11 | METAL CHIP | 30K 0.50% 1/10W |
| R587 | 1-216-675-11 | METAL CHIP | 10K 0.50% 1/10W |
| R588 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R589 | 1-216-067-00 | RES,CHIP | 5.6K 5% 1/10W |
| R590 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R591 | 1-216-682-11 | METAL CHIP | 20K 0.50% 1/10W |
| R592 | 1-247-688-11 | CARBON | 10 5% 1/4W F |
| R593 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W |
| R594 | 1-247-713-11 | CARBON | 1K 5% 1/4W |
| R595 | 1-216-689-11 | RES,CHIP | 39K 5% 1/10W |
| R596 | 1-214-754-00 | METAL | 11K 1% 1/4W |
| R597 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R598 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R599 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W |
| R1103 | 1-216-077-00 | RES,CHIP | 15K 5% 1/10W |
| R1104 | 1-216-699-11 | METAL CHIP | 100K 0.50% 1/10W |
| R1105 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1106 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R1107 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W |
| R1108 | 1-216-681-11 | METAL CHIP | 18K 0.50% 1/10W |
| R1113 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R1123 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W |
| R1125 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R1126 | 1-216-041-00 | RES,CHIP | 470 5% 1/10W |
| R1128 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R1129 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W |
| R1130 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R1131 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R1132 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W |
| R1133 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W |
| R1134 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1136 | 1-216-097-91 | RES,CHIP | 100K 5% 1/10W |
| R1139 | 1-216-055-00 | RES,CHIP | 1.8K 5% 1/10W |
| R1140 | 1-216-653-11 | METAL CHIP | 1.2K 0.50% 1/10W |
| R1141 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |




| REF. NO. | PART NO. | DESCRIPTION | | | REMARK | REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|----------|--------------|-------------|------|-------|--------|----------|--------------|-------------|------|-------|--------|
| R1142 | 1-216-653-11 | METAL CHIP | 1.2K | 0.50% | 1/10W | R1338 | 1-216-647-11 | METAL CHIP | 680 | 0.50% | 1/10W |
| R1143 | 1-216-653-11 | METAL CHIP | 1.2K | 0.50% | 1/10W | R1339 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1146 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W | R1340 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1147 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W | R1341 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1150 | 1-216-037-00 | RES,CHIP | 330 | 5% | 1/10W | R1342 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R1151 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | R1343 | 1-216-037-00 | RES,CHIP | 330 | 5% | 1/10W |
| R1155 | 1-216-133-00 | RES,CHIP | 3.3M | 5% | 1/10W | R1344 | 1-216-093-00 | RES,CHIP | 68K | 5% | 1/10W |
| R1163 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | R1345 | 1-216-109-00 | RES,CHIP | 330K | 5% | 1/10W |
| R1164 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R1346 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R1165 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R1347 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1170 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | R1348 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W |
| R1171 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W | R1349 | 1-216-035-00 | RES,CHIP | 270 | 5% | 1/10W |
| R1172 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W | R1350 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1174 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | R1351 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1177 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W | R1352 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R1179 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W | R1353 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1180 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | R1354 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1182 | 1-216-131-11 | RES,CHIP | 2.7M | 5% | 1/10W | R1355 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1183 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W | R1356 | 1-216-105-91 | RES,CHIP | 220K | 5% | 1/10W |
| R1184 | 1-216-131-11 | RES,CHIP | 2.7M | 5% | 1/10W | R1357 | 1-216-101-00 | RES,CHIP | 150K | 5% | 1/10W |
| R1185 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W | R1358 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W |
| R1186 | 1-216-131-11 | RES,CHIP | 2.7M | 5% | 1/10W | R1359 | 1-216-099-00 | RES,CHIP | 120K | 5% | 1/10W |
| R1187 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W | R1360 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1188 | 1-216-131-11 | RES,CHIP | 2.7M | 5% | 1/10W | R1361 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R1189 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W | R1362 | 1-216-676-11 | METAL CHIP | 11K | 0.50% | 1/10W |
| R1190 | 1-216-131-11 | RES,CHIP | 2.7M | 5% | 1/10W | R1363 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R1191 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W | R1364 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1192 | 1-216-131-11 | RES,CHIP | 2.7M | 5% | 1/10W | R1365 | 1-216-131-11 | RES,CHIP | 2.7M | 5% | 1/10W |
| R1193 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R1366 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1194 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W | R1367 | 1-216-660-11 | METAL CHIP | 2.4K | 0.50% | 1/10W |
| R1195 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R1368 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R1196 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W | R1369 | 1-216-051-00 | RES,CHIP | 1.2K | 5% | 1/10W |
| R1197 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R1370 | 1-216-105-91 | RES,CHIP | 220K | 5% | 1/10W |
| R1198 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W | R1371 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R1303 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R1372 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1304 | 1-216-689-11 | RES,CHIP | 39K | 5% | 1/10W | R1373 | 1-216-063-91 | RES,CHIP | 3.9K | 5% | 1/10W |
| R1305 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | R1374 | 1-216-101-00 | RES,CHIP | 150K | 5% | 1/10W |
| R1306 | 1-216-645-11 | METAL CHIP | 560 | 0.50% | 1/10W | R1375 | 1-216-645-11 | METAL CHIP | 560 | 0.50% | 1/10W |
| R1307 | 1-216-091-00 | RES,CHIP | 56K | 5% | 1/10W | R1376 | 1-216-647-11 | METAL CHIP | 680 | 0.50% | 1/10W |
| R1308 | 1-216-645-11 | METAL CHIP | 560 | 0.50% | 1/10W | R1378 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1309 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R1379 | 1-216-037-00 | RES,CHIP | 330 | 5% | 1/10W |
| R1310 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W | R1380 | 1-216-645-11 | METAL CHIP | 560 | 0.50% | 1/10W |
| R1311 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | R1381 | 1-216-647-11 | METAL CHIP | 680 | 0.50% | 1/10W |
| R1312 | 1-216-027-00 | RES,CHIP | 120 | 5% | 1/10W | R1382 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1313 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W | R1383 | 1-216-681-11 | METAL CHIP | 18K | 0.50% | 1/10W |
| R1314 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | R1384 | 1-216-091-00 | RES,CHIP | 56K | 5% | 1/10W |
| R1315 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R1385 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1316 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | R1386 | 1-216-077-00 | RES,CHIP | 15K | 5% | 1/10W |
| R1317 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | R1387 | 1-216-653-11 | METAL CHIP | 1.2K | 0.50% | 1/10W |
| R1318 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | R1388 | 1-216-689-11 | METAL CHIP | 39K | 0.50% | 1/10W |
| R1319 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W | R1389 | 1-216-657-11 | METAL CHIP | 1.8K | 0.50% | 1/10W |
| R1320 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W | R1390 | 1-216-647-11 | METAL CHIP | 680 | 0.50% | 1/10W |
| R1321 | 1-216-649-11 | METAL CHIP | 820 | 0.50% | 1/10W | R1391 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R1322 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W | R1392 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R1324 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W | R1393 | 1-216-063-91 | RES,CHIP | 3.9K | 5% | 1/10W |
| R1325 | 1-216-652-11 | METAL CHIP | 1.1K | 0.50% | 1/10W | R1394 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R1326 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R1395 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W |
| R1327 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R1396 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W |
| R1328 | 1-216-125-00 | RES,CHIP | 1.5M | 5% | 1/10W | R1397 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1329 | 1-216-103-00 | RES,CHIP | 180K | 5% | 1/10W | R1399 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1330 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | R1401 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R1331 | 1-216-679-11 | METAL CHIP | 15K | 0.50% | 1/10W | R1402 | 1-216-295-91 | SHORT | 0 | | |
| R1332 | 1-216-671-11 | METAL CHIP | 6.8K | 0.50% | 1/10W | R1403 | 1-216-651-11 | METAL CHIP | 1K | 0.50% | 1/10W |
| R1333 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R1404 | 1-216-681-11 | METAL CHIP | 18K | 0.50% | 1/10W |
| R1334 | 1-216-063-91 | RES,CHIP | 3.9K | 5% | 1/10W | R1405 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W |
| R1335 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W F | R1406 | 1-216-653-11 | METAL CHIP | 1.2K | 0.50% | 1/10W |
| R1336 | 1-216-095-00 | RES,CHIP | 82K | 5% | 1/10W | R1407 | 1-216-063-91 | RES,CHIP | 3.9K | 5% | 1/10W |
| R1337 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W | R1408 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| | | | | | | R1409 | 1-216-295-91 | SHORT | 0 | | |



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• The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|----------|--------------|-------------|------|-------|--------|
| R1410 | 1-216-053-00 | RES,CHIP | 1.5K | 5% | 1/10W |
| R1411 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1412 | 1-216-107-00 | RES,CHIP | 270K | 5% | 1/10W |
| R1413 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1414 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R1415 | 1-216-093-00 | RES,CHIP | 68K | 5% | 1/10W |
| R1416 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R1417 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1418 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1419 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R1420 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1421 | 1-216-649-11 | METAL CHIP | 820 | 0.50% | 1/10W |
| R1422 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R1423 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R1424 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1425 | 1-216-013-00 | RES,CHIP | 33 | 5% | 1/10W |
| R1426 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R1427 | 1-216-681-11 | METAL CHIP | 18K | 0.50% | 1/10W |
| R1428 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R1429 | 1-216-668-11 | METAL CHIP | 5.1K | 0.50% | 1/10W |
| R1430 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1431 | 1-216-129-00 | RES,CHIP | 2.2M | 5% | 1/10W |
| R1432 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1433 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R1434 | 1-216-645-11 | METAL CHIP | 560 | 0.50% | 1/10W |
| R1435 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W |
| R1436 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1437 | 1-216-069-00 | RES,CHIP | 6.8K | 5% | 1/10W |
| R1438 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1439 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R1440 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R1441 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1442 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1443 | 1-216-013-00 | RES,CHIP | 33 | 5% | 1/10W |
| R1444 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R1445 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W |
| R1446 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W |
| R1447 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1448 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R1449 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R1450 | 1-216-129-00 | RES,CHIP | 2.2M | 5% | 1/10W |
| R1451 | 1-216-093-00 | RES,CHIP | 68K | 5% | 1/10W |
| R1452 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R1453 | 1-216-013-00 | RES,CHIP | 33 | 5% | 1/10W |
| R1454 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1455 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R1456 | 1-216-129-00 | RES,CHIP | 2.2M | 5% | 1/10W |
| R1457 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1458 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R1459 | 1-216-133-00 | RES,CHIP | 3.3M | 5% | 1/10W |
| R1460 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R1461 | 1-216-645-11 | METAL CHIP | 560 | 0.50% | 1/10W |
| R1462 | 1-216-645-11 | METAL CHIP | 560 | 0.50% | 1/10W |
| R1463 | 1-216-645-11 | METAL CHIP | 560 | 0.50% | 1/10W |
| R1464 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R1465 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R1466 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W |
| R1467 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1468 | 1-216-091-00 | RES,CHIP | 56K | 5% | 1/10W |
| R1469 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R1470 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R1471 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1472 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R1473 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1475 | 1-216-677-11 | METAL CHIP | 12K | 0.50% | 1/10W |
| R1476 | 1-216-063-91 | RES,CHIP | 3.9K | 5% | 1/10W |
| R1477 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R1478 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|-------------|------|-------|--------|
| R1480 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1481 | 1-216-115-00 | RES,CHIP | 560K | 5% | 1/10W |
| R1482 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1483 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1484 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1485 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R1486 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R1487 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R1488 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R1490 | 1-216-035-00 | RES,CHIP | 270 | 5% | 1/10W |
| R1491 | 1-216-035-00 | RES,CHIP | 270 | 5% | 1/10W |
| R1492 | 1-216-035-00 | RES,CHIP | 270 | 5% | 1/10W |
| R1493 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R1494 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1495 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1496 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1498 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1500 | 1-216-649-11 | METAL CHIP | 820 | 0.50% | 1/10W |
| R1501 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W |
| R1502 | 1-260-111-11 | CARBON | 10K | 5% | 1/2W |
| R1503 | 1-216-063-91 | RES,CHIP | 3.9K | 5% | 1/10W |
| R1504 | 1-216-686-11 | METAL CHIP | 30K | 0.50% | 1/10W |
| R1505 | 1-247-688-11 | CARBON | 10 | 5% | 1/4W F |
| R1506 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R1507 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1508 | 1-216-689-11 | RES,CHIP | 39K | 5% | 1/10W |
| R1510 | 1-216-077-00 | RES,CHIP | 15K | 5% | 1/10W |
| R1511 | 1-216-360-11 | METAL OXIDE | 8.2 | 5% | 1W F |
| R1512 | 1-216-647-11 | METAL CHIP | 680 | 0.50% | 1/10W |
| R1513 | 1-247-752-11 | CARBON | 1K | 5% | 1/2W F |
| R1514 | 1-247-711-11 | CARBON | 680 | 5% | 1/4W F |
| R1515 | 1-216-350-11 | METAL OXIDE | 1.2 | 5% | 1W F |
| R1517 | 1-216-109-00 | RES,CHIP | 330K | 5% | 1/10W |
| R1518 | 1-215-867-00 | METAL OXIDE | 470 | 5% | 1W F |
| R1519 | 1-216-355-11 | METAL OXIDE | 3.3 | 5% | 1W F |
| R1520 | 1-216-027-00 | RES,CHIP | 120 | 5% | 1/10W |
| R1521 | 1-216-029-00 | RES,CHIP | 150 | 5% | 1/10W |
| R1523 | 1-216-350-11 | METAL OXIDE | 1.2 | 5% | 1W F |
| R1524 | 1-216-427-00 | METAL OXIDE | 120 | 5% | 1W F |
| R1525 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R1526 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1527 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F |
| R1528 | 1-215-869-11 | METAL OXIDE | 1K | 5% | 1W F |
| R1529 | 1-202-829-11 | SOLID | 8.2K | 20% | 1/2W |
| R1530 | 1-216-115-00 | RES,CHIP | 560K | 5% | 1/10W |
| R1531 | 1-247-697-11 | CARBON | 56 | 5% | 1/4W F |
| R1532 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R1533 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W F |
| R1534 | 1-216-659-11 | METAL CHIP | 2.2K | 0.50% | 1/10W |
|  R1536 |  | METAL CHIP | | | 1/10W |
| R1537 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| R1538 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1540 | 1-216-105-91 | RES,CHIP | 220K | 5% | 1/10W |
| R1541 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1543 | 1-216-027-00 | RES,CHIP | 120 | 5% | 1/10W |
| R1547 | 1-216-391-11 | METAL OXIDE | 1.5 | 5% | 3W F |
| R1548 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R1549 | 1-260-094-11 | CARBON | 390 | 5% | 1/2W |
| R1550 | 1-216-105-91 | RES,CHIP | 220K | 5% | 1/10W |
| R1551 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F |
| R1552 | 1-216-091-00 | RES,CHIP | 56K | 5% | 1/10W |
| R1553 | 1-216-091-00 | RES,CHIP | 56K | 5% | 1/10W |
| R1554 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R1555 | 1-216-295-91 | SHORT | 0 | | |
| R1556 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W |
| R1557 | 1-218-760-11 | METAL CHIP | 220K | 0.50% | 1/10W |
| R1558 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F |
| R1559 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F |

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| REF. NO. | PART NO. | DESCRIPTION | REMARK | | | REF. NO. | PART NO. | DESCRIPTION | REMARK | | |
|----------|--------------|-------------|--------|-------|-------|----------|--------------|-------------|--------|-------|-------|
| R1560 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R2352 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R1561 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W | R2353 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R1562 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | R2354 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R1563 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | R2358 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R1565 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W | R2361 | 1-216-099-00 | RES,CHIP | 120K | 5% | 1/10W |
| R1567 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | R2362 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1570 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R2363 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1571 | 1-216-103-00 | RES,CHIP | 180K | 5% | 1/10W | R2364 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R1572 | 1-216-101-00 | RES,CHIP | 150K | 5% | 1/10W | R2365 | 1-216-687-11 | METAL CHIP | 33K | 0.50% | 1/10W |
| R1573 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R2366 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W |
| R1574 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W | R2367 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R1575 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R2368 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1576 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R2369 | 1-216-675-11 | METAL CHIP | 10K | 0.50% | 1/10W |
| R1577 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R2371 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1578 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | R2372 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R1579 | 1-216-689-11 | METAL CHIP | 39K | 0.50% | 1/10W | R2374 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R1595 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W | R2375 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1596 | 1-216-099-00 | RES,CHIP | 120K | 5% | 1/10W | R2376 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2300 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | R2377 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2301 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | R2378 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2302 | 1-216-671-11 | METAL CHIP | 6.8K | 0.50% | 1/10W | R2379 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2303 | 1-216-093-00 | RES,CHIP | 68K | 5% | 1/10W | R2380 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2304 | 1-216-105-91 | RES,CHIP | 220K | 5% | 1/10W | R2381 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2305 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W | R2382 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2306 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | R2383 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2307 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | R2384 | 1-216-689-11 | RES,CHIP | 39K | 5% | 1/10W |
| R2308 | 1-216-103-00 | RES,CHIP | 180K | 5% | 1/10W | R2389 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2309 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R2390 | 1-216-647-11 | METAL CHIP | 680 | 0.50% | 1/10W |
| R2310 | 1-216-095-00 | RES,CHIP | 82K | 5% | 1/10W | R2391 | 1-216-647-11 | METAL CHIP | 680 | 0.50% | 1/10W |
| R2311 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R2392 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2312 | 1-216-053-00 | RES,CHIP | 1.5K | 5% | 1/10W | R2393 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2313 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R2394 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2314 | 1-216-645-11 | METAL CHIP | 560 | 0.50% | 1/10W | R2396 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R2315 | 1-216-679-11 | METAL CHIP | 15K | 0.50% | 1/10W | R2397 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R2316 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | R2398 | 1-216-109-00 | RES,CHIP | 330K | 5% | 1/10W |
| R2317 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R2399 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2318 | 1-216-069-00 | RES,CHIP | 6.8K | 5% | 1/10W | R2501 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R2319 | 1-216-093-00 | RES,CHIP | 68K | 5% | 1/10W | R2502 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R2320 | 1-216-677-11 | METAL CHIP | 12K | 0.50% | 1/10W | R2503 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R2321 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W | R2504 | 1-216-101-00 | RES,CHIP | 150K | 5% | 1/10W |
| R2322 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | R2505 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R2323 | 1-216-683-11 | METAL CHIP | 22K | 0.50% | 1/10W | R2506 | 1-216-099-00 | RES,CHIP | 120K | 5% | 1/10W |
| R2324 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R2507 | 1-216-105-91 | RES,CHIP | 220K | 5% | 1/10W |
| R2325 | 1-216-063-91 | RES,CHIP | 3.9K | 5% | 1/10W | R2551 | 1-216-091-00 | RES,CHIP | 56K | 5% | 1/10W |
| R2326 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W | R2552 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R2327 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W | R2553 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R2328 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R2555 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W |
| R2329 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W | R2556 | 1-216-051-00 | RES,CHIP | 1.2K | 5% | 1/10W |
| R2330 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R2557 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W |
| R2331 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W | R2558 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2332 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R2559 | 1-216-039-00 | RES,CHIP | 390 | 5% | 1/10W |
| R2333 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | R2560 | 1-216-069-00 | RES,CHIP | 6.8K | 5% | 1/10W |
| R2334 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W | R2561 | 1-216-001-00 | RES,CHIP | 10 | 5% | 1/10W |
| R2335 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W | R2562 | 1-216-001-00 | RES,CHIP | 10 | 5% | 1/10W |
| R2336 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | R2563 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2337 | 1-216-037-00 | RES,CHIP | 330 | 5% | 1/10W | R3301 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2338 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R3302 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2339 | 1-216-037-00 | RES,CHIP | 330 | 5% | 1/10W | R3303 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2341 | 1-216-037-00 | RES,CHIP | 330 | 5% | 1/10W | R3304 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2342 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W | R3308 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R2343 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | R3310 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2344 | 1-216-121-91 | RES,CHIP | 1M | 5% | 1/10W | R3311 | 1-216-689-11 | RES,CHIP | 39K | 5% | 1/10W |
| R2345 | 1-216-681-11 | METAL CHIP | 18K | 0.50% | 1/10W | R3312 | 1-216-095-00 | RES,CHIP | 82K | 5% | 1/10W |
| R2346 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W | R3317 | 1-216-675-11 | METAL CHIP | 10K | 0.50% | 1/10W |
| R2347 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W | R3320 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R2348 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W | R3323 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2349 | 1-216-679-11 | METAL CHIP | 15K | 0.50% | 1/10W | R3333 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R2350 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W | R3334 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2351 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W | | | | | | |



Les composants identifiés par
une trame et une marque Δ
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifié.

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|------------------|
| R3335 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R3336 | 1-216-045-00 | RES,CHIP | 680 5% 1/10W |
| R3337 | 1-216-099-00 | RES,CHIP | 120K 5% 1/10W |
| R3338 | 1-216-103-00 | RES,CHIP | 180K 5% 1/10W |
| R3339 | 1-216-045-00 | RES,CHIP | 680 5% 1/10W |
| R3346 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R3347 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R3348 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R3349 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R3350 | 1-216-109-00 | RES,CHIP | 330K 5% 1/10W |
| R3351 | 1-216-115-00 | RES,CHIP | 560K 5% 1/10W |
| R3353 | 1-216-111-91 | RES,CHIP | 390K 5% 1/10W |
| R3355 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R3356 | 1-216-051-00 | RES,CHIP | 1.2K 5% 1/10W |
| R3357 | 1-216-051-00 | RES,CHIP | 1.2K 5% 1/10W |
| R3358 | 1-216-051-00 | RES,CHIP | 1.2K 5% 1/10W |
| R3359 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R3360 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R3361 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R3362 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R3363 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R3364 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R3365 | 1-216-099-00 | RES,CHIP | 120K 5% 1/10W |
| R3366 | 1-216-093-00 | RES,CHIP | 68K 5% 1/10W |
| R3367 | 1-216-093-00 | RES,CHIP | 68K 5% 1/10W |
| R3368 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R3369 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R3376 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| R3378 | 1-216-119-00 | RES,CHIP | 820K 5% 1/10W |
| R3380 | 1-216-121-91 | RES,CHIP | 1M 5% 1/10W |
| R3390 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R3394 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R3395 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R3396 | 1-216-041-00 | RES,CHIP | 470 5% 1/10W |
| R3398 | 1-216-688-11 | METAL CHIP | 36K 0.50% 1/10W |
| R3399 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R3400 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W |
| R3401 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R3402 | 1-216-699-11 | METAL CHIP | 100K 0.50% 1/10W |
| R3403 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R3404 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R3405 | 1-216-067-00 | RES,CHIP | 5.6K 5% 1/10W |
| R3406 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R3407 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R4401 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |
| R4404 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R4405 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W |
| R4407 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| R4408 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W |
| R4409 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W |
| R4410 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W |
| R4411 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R4412 | 1-216-113-00 | RES,CHIP | 470K 5% 1/10W |
| R4413 | 1-216-295-91 | SHORT | 0 |
| R4414 | 1-216-295-91 | SHORT | 0 |
| R4415 | 1-216-295-91 | SHORT | 0 |
| R4416 | 1-216-295-91 | SHORT | 0 |

<VARIABLE RESISTOR>

RV501 1-223-102-00 RES, ADJ, WIREWOUND 120

<TRANSFORMER>

T500 1-426-668-11 TRANSFORMER, FERRITE (HDT)
T501 Δ 1-453-234-11 TRANSFORMER ASSY, FLYBACK
T502 1-413-059-00 TRANSFORMER, FERRITE (DFT)
T503 Δ 1-460-017-11 TRANSFORMER

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------------------------------|----------------|-------------------------------|---------------|
| <THERMISTOR> | | | |
| TH500 | 1-807-970-11 | THERMISTOR | |
| <CRYSTAL> | | | |
| X101 | 1-579-175-11 | VIBRATOR, CERAMIC | |
| X300 | 1-577-259-11 | VIBRATOR, CRYSTAL | |
| X301 | 1-527-722-00 | VIBRATOR, CRYSTAL | |
| ***** | | | |
| * A-1304-141-A M BOARD, COMPLETE | | | |
| ***** | | | |
| 1-540-044-11 SOCKET, IC | | | |
| <CAPACITOR> | | | |
| C1200 | 1-124-472-11 | ELECT 470MF | 20% 10V |
| C1201 | 1-164-161-11 | CERAMIC CHIP 0.0022MF | 10% 50V |
| C1202 | 1-164-161-11 | CERAMIC CHIP 0.0022MF | 10% 50V |
| C1203 | 1-163-103-00 | CERAMIC CHIP 27PF | 5% 50V |
| C1204 | 1-163-103-00 | CERAMIC CHIP 27PF | 5% 50V |
| C1205 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V |
| C1208 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V |
| C1210 | 1-104-665-11 | ELECT 100MF | 20% 16V |
| C1211 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V |
| C1213 | 1-126-301-11 | ELECT 1MF | 20% 50V |
| C1214 | 1-126-301-11 | ELECT 1MF | 20% 50V |
| C1215 | 1-126-301-11 | ELECT 1MF | 20% 50V |
| C1216 | 1-126-301-11 | ELECT 1MF | 20% 50V |
| C1219 | 1-163-123-00 | CERAMIC CHIP 180PF | 5% 50V |
| C1220 | 1-163-123-00 | CERAMIC CHIP 180PF | 5% 50V |
| <CONNECTOR> | | | |
| CN1201 | * 1-766-746-11 | CONNECTOR, BOARD TO BOARD 12P | |
| CN1202 | * 1-564-506-11 | PLUG, CONNECTOR 3P | |
| <IC> | | | |
| IC1201 | * 8-759-498-23 | IC μ PD78P018FYCW-S02 | |
| IC1202 | 8-759-251-04 | IC AT24C02-10PC | |
| IC1203 | 8-759-149-05 | IC μ PD71051GB-10-3B4 | |
| IC1204 | 8-759-335-70 | IC ADM232LAR-REEL | |
| IC1205 | 8-759-042-02 | IC S-80743AL-A7-S | |
| <CHIP CONDUCTOR> | | | |
| JR1 | 1-216-295-91 | SHORT | 0 |
| JR2 | 1-216-295-91 | SHORT | 0 |
| JR3 | 1-216-295-91 | SHORT | 0 |
| JR4 | 1-216-295-91 | SHORT | 0 |
| JR5 | 1-216-295-91 | SHORT | 0 |
| JR6 | 1-216-295-91 | SHORT | 0 |
| JR7 | 1-216-295-91 | SHORT | 0 |
| JR8 | 1-216-295-91 | SHORT | 0 |
| <RESISTOR> | | | |
| R1201 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R1202 | 1-216-295-91 | SHORT | 0 |
| R1203 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R1204 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R1205 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R1206 | 1-216-295-91 | SHORT | 0 |
| R1207 | 1-216-295-91 | SHORT | 0 |
| R1210 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R1211 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-----------------|--------|
| R1213 | 1-216-025-91 | RES,CHIP 100 5% | 1/10W |
| R1214 | 1-216-295-91 | SHORT 0 | |
| R1215 | 1-216-295-91 | SHORT 0 | |
| R1218 | 1-216-089-91 | RES,CHIP 47K 5% | 1/10W |
| R1220 | 1-216-025-91 | RES,CHIP 100 5% | 1/10W |
| R1221 | 1-216-025-91 | RES,CHIP 100 5% | 1/10W |

<CRYSTAL>

| | | | |
|-------|--------------|-------------------|--|
| X1201 | 1-577-619-11 | VIBRATOR, CRYSTAL | |
|-------|--------------|-------------------|--|

* A-1316-349-A G BOARD, COMPLETE

1-533-223-11 HOLDER, FUSE
7-322-065-19 RUBBER, SILICON RTV (KE490W)

<CAPACITOR>

| | | | |
|--|-----------------------|----------------------|------|
| C602 | Δ 1-136-360-51 | FILM 0.22MF 20% | 250V |
| C603 | Δ 1-136-360-51 | FILM 0.22MF 20% | 250V |
| C604 | Δ 1-113-924-91 | CERAMIC 0.0047MF 20% | 250V |
| * 4-374-846-11 COVER, CAPACITOR, CAP TYPE ; C604 | | | |
| C605 | Δ 1-113-924-91 | CERAMIC 0.0047MF 20% | 250V |
| C606 | Δ 1-113-924-91 | CERAMIC 0.0047MF 20% | 250V |
| C607 | Δ 1-113-924-91 | CERAMIC 0.0047MF 20% | 250V |
| * 4-374-846-11 COVER, CAPACITOR, CAP TYPE ; C607 | | | |
| C608 | Δ 1-113-924-91 | CERAMIC 0.0047MF 20% | 250V |
| C609 | Δ 1-113-924-91 | CERAMIC 0.0047MF 20% | 250V |
| C610 | Δ 1-113-924-91 | CERAMIC 0.0047MF 20% | 250V |
| C611 | Δ 1-113-924-91 | CERAMIC 0.0047MF 20% | 250V |
| C612 | Δ 1-113-977-51 | FILM 0.47MF 10% | 630V |
| C613 | Δ 1-113-977-51 | FILM 0.47MF 10% | 630V |
| C614 | Δ 1-129-718-91 | FILM 0.022MF 5% | 630V |
| C615 | Δ 1-136-619-11 | FILM 0.0016MF 3% | 2KV |
| C616 | Δ 1-104-962-91 | ELECT 47MF 20% | 35V |

| | | | |
|------|-----------------------|-------------------------|------|
| C617 | Δ 1-107-430-91 | CERAMIC 0.0033MF 10% | 1KV |
| C618 | Δ 1-107-906-91 | ELECT 10MF 20% | 50V |
| C619 | Δ 1-107-911-91 | ELECT 220MF 20% | 50V |
| C621 | 1-117-791-11 | ELECT(BLOCK) 1000MF 20% | 160V |
| C622 | 1-102-038-00 | CERAMIC 0.001MF | 500V |

| | | | |
|------|--------------|------------------|------|
| C623 | 1-107-900-51 | ELECT 4700MF 20% | 35V |
| C626 | 1-102-038-00 | CERAMIC 0.001MF | 500V |
| C627 | 1-107-900-51 | ELECT 4700MF 20% | 35V |
| C628 | 1-102-038-00 | CERAMIC 0.001MF | 500V |
| C629 | 1-107-891-11 | ELECT 3300MF 20% | 25V |

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|------|-----------------------|-------------------|------|
| C630 | 1-126-964-11 | ELECT 10MF 20% | 50V |
| C631 | 1-136-853-11 | FILM 0.56MF 5% | 200V |
| C632 | 1-107-492-11 | ELECT 47MF 20% | 160V |
| C633 | 1-107-885-11 | ELECT 3300MF 20% | 16V |
| C635 | Δ 1-162-115-91 | CERAMIC 330PF 10% | 2KV |

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|------|-----------------------|---------------------|------|
| C636 | 1-107-909-11 | ELECT 47MF 20% | 50V |
| C638 | Δ 1-113-977-51 | FILM 0.47MF 10% | 630V |
| C639 | 1-107-906-11 | ELECT 10MF 20% | 50V |
| C640 | 1-107-906-11 | ELECT 10MF 20% | 50V |
| C641 | 1-102-074-00 | CERAMIC 0.001MF 10% | 50V |

| | | | |
|-------|--------------|-----------------|------|
| C2601 | 1-102-038-00 | CERAMIC 0.001MF | 500V |
|-------|--------------|-----------------|------|

<CONNECTOR>

| | | | |
|-------|----------------|-------------------------------|--|
| CN601 | * 1-580-843-11 | PIN, CONNECTOR (POWER) | |
| CN602 | * 1-695-561-11 | PIN, CONNECTOR (PC BOARD) 7P | |
| CN603 | * 1-508-765-00 | PIN, CONNECTOR (5mm PITCH) 3P | |
| CN605 | * 1-573-964-11 | PIN, CONNECTOR (PC BOARD) 6P | |
| CN606 | * 1-564-506-11 | PLUG, CONNECTOR 3P | |

| | | | |
|-------|----------------|--------------------|--|
| CN607 | * 1-564-509-11 | PLUG, CONNECTOR 6P | |
|-------|----------------|--------------------|--|

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------------------------|--------|
| CN609 | 1-508-786-00 | PIN, CONNECTOR (5mm PITCH) 2P | |

<DIODE>

| | | | |
|------|-----------------------|---------------------------------|--|
| D601 | Δ 8-719-510-53 | DIODE D4SB60L | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) ; D601 | |
| D605 | Δ 8-719-971-66 | DIODE RGP151-6040G23 | |
| D606 | Δ 8-719-988-56 | DIODE RGP15K-6179G23 | |
| D607 | Δ 8-719-936-85 | DIODE RGP10GPKG23 | |
| D608 | Δ 8-719-921-20 | DIODE 1SS119-25TD | |

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|------|-----------------------|---------------------------------|--|
| D609 | Δ 8-719-936-85 | DIODE RGP10GPKG23 | |
| D610 | 8-719-029-04 | DIODE D5L60 | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) ; D610 | |
| D612 | 8-719-312-08 | DIODE FMB-G16L | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) ; D612 | |
| D614 | 8-719-045-48 | DIODE FML-G12S | |
| D615 | 4-382-854-11 | SCREW (M3X10), P, SW (+) ; D614 | |
| | 8-719-979-85 | DIODE EGP20G | |

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|------|-----------------------|----------------------|--|
| D616 | 8-719-054-32 | DIODE ERA15-06 | |
| D617 | 8-719-110-46 | DIODE RD16ESB3 | |
| D618 | Δ 8-719-971-66 | DIODE RGP151-6040G23 | |
| D619 | Δ 8-719-113-43 | DIODE RD20ES-T1B2 | |
| D620 | Δ 8-719-936-85 | DIODE RGP10GPKG23 | |

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|------|--------------|-----------------|--|
| D621 | 8-719-911-19 | DIODE 1SS119-25 | |
|------|--------------|-----------------|--|

<FERRITE BEAD>

| | | | |
|-------|-----------------------|----------------|--|
| FB603 | 1-410-396-41 | FERRITE 0.45UH | |
| FB604 | 1-410-396-41 | FERRITE 0.45UH | |
| FB605 | 1-410-396-41 | FERRITE 0.45UH | |
| FB608 | Δ 1-410-397-31 | FERRITE 1.1UH | |
| FB609 | Δ 1-410-397-31 | FERRITE 1.1UH | |

| | | | |
|-------|-----------------------|---------------|--|
| FB610 | Δ 1-410-397-31 | FERRITE 1.1UH | |
| FB611 | Δ 1-410-397-31 | FERRITE 1.1UH | |
| FB612 | Δ 1-410-397-31 | FERRITE 1.1UH | |
| FB613 | Δ 1-410-397-31 | FERRITE 1.1UH | |

<IC>

| | | | |
|-------|-----------------------|----------------------------------|--|
| IC601 | Δ 8-749-925-03 | IC STR-M6524 | |
| | 4-058-250-01 | SHEET, INSULATING ; IC601 | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) ; IC601 | |
| IC602 | 8-749-010-47 | IC STR-S3115 | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) ; IC602 | |
| IC603 | 8-759-701-56 | IC NJM78M05FA | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) ; IC603 | |

<COIL>

| | | | |
|-------|-----------------------|-----------------------|--|
| L601 | Δ 1-411-215-11 | INDUCTOR 0UH | |
| L1601 | 1-410-679-31 | INDUCTOR 270UH | |
| L2601 | 1-459-155-00 | COIL (WITH CORE) 45UH | |

<PHOTO COUPLER>

| | | | |
|-------|-----------------------|-----------------------|--|
| PH601 | Δ 8-749-923-50 | PHOTO COUPLER PC111YS | |
|-------|-----------------------|-----------------------|--|

<TRANSISTOR>

| | | | |
|------|-----------------------|---------------------------------|--|
| Q601 | 8-729-140-96 | TRANSISTOR 2SD774-34 | |
| Q602 | Δ 8-729-023-28 | TRANSISTOR 2SD1640Q | |
| Q603 | 8-729-303-61 | TRANSISTOR 2SC3851-G | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) ; Q603 | |
| Q604 | 8-729-029-66 | TRANSISTOR DTC114ESA | |
| Q605 | 8-729-200-17 | TRANSISTOR 2SA1091-O | |

| | | | |
|------|--------------|----------------------|--|
| Q606 | 8-729-029-66 | TRANSISTOR DTC114ESA | |
| Q607 | 8-729-029-66 | TRANSISTOR DTC114ESA | |



Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

REF. NO. PART NO. DESCRIPTION REMARK
<RESISTOR>

| | | | | | | |
|------|-----------------------|-------------|------|-----|------|---|
| R601 | Δ 1-202-885-91 | SOLID | 1M | 20% | 1/2W | |
| R602 | Δ 1-216-491-71 | METAL OXIDE | 56K | 5% | 3W | F |
| R603 | Δ 1-216-490-71 | METAL OXIDE | 39K | 5% | 3W | F |
| R604 | Δ 1-247-833-91 | CARBON | 1.2K | 5% | 1/4W | |
| R605 | Δ 1-247-833-91 | CARBON | 1.2K | 5% | 1/4W | |

| | | | | | | |
|------|-----------------------|-----------|------|-----|------|---|
| R606 | Δ 1-217-239-11 | WIREWOUND | 0.15 | 10% | 3W | F |
| R607 | Δ 1-247-849-91 | CARBON | 5.6K | 5% | 1/4W | |
| R608 | Δ 1-247-857-91 | CARBON | 12K | 5% | 1/4W | |
| R609 | Δ 1-247-857-91 | CARBON | 12K | 5% | 1/4W | |
| R610 | Δ 1-247-853-91 | CARBON | 8.2K | 5% | 1/4W | |

| | | | | | | |
|------|-----------------------|--------|------|-----|------|---|
| R611 | Δ 1-249-417-91 | CARBON | 1K | 5% | 1/4W | F |
| R612 | 1-249-404-00 | CARBON | 82 | 5% | 1/4W | |
| R613 | Δ 1-247-833-91 | CARBON | 1.5K | 5% | 1/4W | |
| R614 | Δ 1-249-385-91 | CARBON | 2.2 | 5% | 1/4W | F |
| R615 | Δ 1-202-727-91 | SOLID | 4.7M | 10% | 1/2W | |

| | | | | | | |
|------|-----------------------|-------------|-----|-----|------|---|
| R616 | Δ 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R617 | 1-202-933-61 | FUSIBLE | 0.1 | 10% | 1/2W | F |
| R619 | 1-202-933-61 | FUSIBLE | 0.1 | 10% | 1/2W | F |
| R620 | 1-202-933-61 | FUSIBLE | 0.1 | 10% | 1/2W | F |
| R621 | 1-215-877-11 | METAL OXIDE | 22K | 5% | 1W | F |

| | | | | | | |
|------|-----------------------|-------------|------|----|------|---|
| R622 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | F |
| R623 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R624 | 1-247-893-11 | CARBON | 390K | 5% | 1/4W | |
| R625 | 1-216-386-11 | METAL OXIDE | 0.56 | 5% | 3W | F |
| R627 | Δ 1-216-490-71 | METAL OXIDE | 39K | 5% | 3W | F |

| | | | | | | |
|------|-----------------------|-------------|------|-----|------|---|
| R628 | Δ 1-216-491-71 | METAL OXIDE | 56K | 5% | 3W | F |
| R629 | Δ 1-202-727-91 | SOLID | 4.7M | 10% | 1/2W | |
| R630 | Δ 1-216-490-71 | METAL OXIDE | 39K | 5% | 3W | F |
| R631 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | F |
| R632 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | F |

| | | | | | | |
|------|--------------|--------|------|----|------|--|
| R633 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R634 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W | |
| R635 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R636 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W | |
| R637 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |

| | | | | | | |
|------|--------------|-------------|------|----|------|---|
| R638 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R639 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R640 | 1-247-893-11 | CARBON | 390K | 5% | 1/4W | |
| R641 | 1-215-423-00 | METAL | 1.2K | 1% | 1/4W | |
| R642 | 1-216-391-11 | METAL OXIDE | 1.5 | 5% | 3W | F |

| | | | | | | |
|-------|-----------------------|-------|------|-----|------|--|
| R1602 | Δ 1-202-878-91 | SOLID | 220K | 20% | 1/2W | |
| R1603 | Δ 1-202-878-91 | SOLID | 220K | 20% | 1/2W | |

<RELAY>

| | | | | | | |
|-------|-----------------------|-------|--|--|--|--|
| RY601 | Δ 1-515-738-11 | RELAY | | | | |
|-------|-----------------------|-------|--|--|--|--|

<TRANSFORMER>

| | | | | | | |
|------|-----------------------|--------------------------------|--|--|--|--|
| T601 | Δ 1-426-716-11 | TRANSFORMER, LINE FILTER (LFT) | | | | |
| T602 | Δ 1-426-716-11 | TRANSFORMER, LINE FILTER (LFT) | | | | |
| T603 | Δ 1-431-630-11 | TRANSFORMER, CONVERTER (SRT) | | | | |

<THERMISTOR>

| | | | | | | |
|--------|-----------------------|----------------------|--|--|--|--|
| THP601 | Δ 1-808-059-32 | THERMISTOR, POSITIVE | | | | |
|--------|-----------------------|----------------------|--|--|--|--|

<VARISTOR>

| | | | | | | |
|--------|-----------------------|----------|--|--|--|--|
| VDR601 | Δ 1-809-942-81 | VARISTOR | | | | |
| VDR602 | Δ 1-809-942-81 | VARISTOR | | | | |

REF. NO. PART NO. DESCRIPTION REMARK

* A-1316-350-A GA BOARD, COMPLETE

1-533-223-11 HOLDER, FUSE
4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

| | | | | | |
|-------|--------------|-------|-------|-----|-----|
| C1601 | 1-107-910-11 | ELECT | 100MF | 20% | 50V |
| C1602 | 1-107-911-11 | ELECT | 220MF | 20% | 50V |

<CONNECTOR>

CN1601 * 1-564-509-11 PLUG, CONNECTOR 6P

<IC>

IC1601 8-759-390-50 IC uPC2408AHF

<RESISTOR>

R1604 1-247-895-91 CARBON 470K 5% 1/4W

* A-1331-763-A C BOARD, COMPLETE (20inch model)

7-682-949-01 SCREW +PSW 3X10

<CAPACITOR>

| | | | | | |
|------|--------------|---------|----------|-----|------|
| C701 | 1-102-116-00 | CERAMIC | 680PF | 10% | 50V |
| C702 | 1-102-116-00 | CERAMIC | 680PF | 10% | 50V |
| C703 | 1-102-116-00 | CERAMIC | 680PF | 10% | 50V |
| C704 | 1-102-121-00 | CERAMIC | 0.0022MF | 10% | 50V |
| C705 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C706 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C707 | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV |
| C708 | 1-136-601-11 | FILM | 0.01MF | 10% | 630V |
| C710 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V |
| C711 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V |

| | | | | | |
|------|--------------|---------|-------|-----|------|
| C712 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V |
| C714 | 1-102-976-00 | CERAMIC | 180PF | 5% | 50V |
| C715 | 1-102-976-00 | CERAMIC | 180PF | 5% | 50V |
| C716 | 1-102-976-00 | CERAMIC | 180PF | 5% | 50V |
| C724 | 1-128-582-11 | ELECT | 10MF | 20% | 100V |

| | | | | | |
|------|--------------|---------|------|--------|------|
| C726 | 1-107-662-11 | ELECT | 22MF | 20% | 250V |
| C733 | 1-107-652-11 | ELECT | 10MF | 20% | 250V |
| C734 | 1-101-888-00 | CERAMIC | 68PF | 5% | 50V |
| C737 | 1-102-934-00 | CERAMIC | 1PF | 0.25PF | 50V |

<CONNECTOR>

CN701 * 1-564-511-11 PLUG, CONNECTOR 8P
CN702 * 1-573-964-11 PIN, CONNECTOR (PC BOARD) 6P
CN703 1-695-915-11 TAB (CONTACT)

<DIODE>

| | | |
|------|--------------|-----------------|
| D701 | 8-719-911-19 | DIODE 1SS119-25 |
| D702 | 8-719-911-19 | DIODE 1SS119-25 |
| D703 | 8-719-911-19 | DIODE 1SS119-25 |
| D704 | 8-719-911-19 | DIODE 1SS119-25 |
| D705 | 8-719-911-19 | DIODE 1SS119-25 |

| | | |
|------|--------------|-----------------|
| D706 | 8-719-911-19 | DIODE 1SS119-25 |
| D707 | 8-719-901-83 | DIODE 1SS83 |
| D708 | 8-719-901-83 | DIODE 1SS83 |
| D709 | 8-719-901-83 | DIODE 1SS83 |

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

C

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--------------|-----------------------|------------------------|--------|---|-----------------------|------------------------------|--------|
| D713 | 8-719-901-83 | DIODE 1SS83 | | R738 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| D715 | 8-719-901-83 | DIODE 1SS83 | | R739 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| D716 | 8-719-901-83 | DIODE 1SS83 | | R740 | 1-249-433-11 | CARBON 22K 5% | 1/4W F |
| D717 | 8-719-901-83 | DIODE 1SS83 | | R741 | 1-249-433-11 | CARBON 22K 5% | 1/4W F |
| | | | | R742 | 1-249-433-11 | CARBON 22K 5% | 1/4W F |
| <JACK> | | | | R744 | 1-247-843-11 | CARBON 3.3K 5% | 1/4W |
| 1701 | Δ 1-540-124-11 | SOCKET, PICTURE TUBE | | R745 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| <COIL> | | | | R746 | 1-215-879-11 | METAL OXIDE 47K 5% | 1W F |
| L702 | 1-408-607-31 | INDUCTOR 22UH | | R747 | 1-247-725-11 | CARBON 10K 5% | 1/4W F |
| L703 | 1-408-608-31 | INDUCTOR 27UH | | R748 | 1-249-923-11 | CARBON 1K 5% | 1/4W F |
| L704 | 1-408-608-31 | INDUCTOR 27UH | | R749 | 1-215-902-11 | METAL OXIDE 47K 5% | 2W F |
| L705 | 1-412-530-31 | INDUCTOR 27UH | | R751 | 1-247-887-00 | CARBON 220K 5% | 1/4W |
| L706 | 1-410-667-31 | INDUCTOR 22UH | | R752 | 1-247-887-00 | CARBON 220K 5% | 1/4W |
| <TRANSISTOR> | | | | R753 | 1-247-887-00 | CARBON 220K 5% | 1/4W |
| Q701 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R754 | 1-247-863-91 | CARBON 22K 5% | 1/4W |
| Q702 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R755 | 1-249-434-11 | CARBON 27K 5% | 1/4W |
| Q703 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R756 | 1-249-440-11 | CARBON 82K 5% | 1/4W |
| Q704 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | R760 | 1-249-400-11 | CARBON 39 5% | 1/4W F |
| Q705 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | <VARIABLE RESISTOR> | | | |
| Q706 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | RV708 | Δ 1-241-714-21 | RES. ADJ. METAL FILM 110M | |
| Q707 | 8-729-326-11 | TRANSISTOR 2SC2611 | | RV709 | 1-230-641-11 | RES. ADJ. METAL GLAZE 2.2M | |
| Q708 | 8-729-326-11 | TRANSISTOR 2SC2611 | | ***** | | | |
| Q709 | 8-729-326-11 | TRANSISTOR 2SC2611 | | * A-1331-764-A C BOARD, COMPLETE (14inch model) | | | |
| Q710 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | ***** | | | |
| Q711 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | * 4-374-913-01 COVER (REAR LID), CV VOL | | | |
| Q712 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | 7-682-949-01 SCREW +PSW 3X10 | | | |
| Q713 | 8-729-255-12 | TRANSISTOR 2SC2551-O | | <CAPACITOR> | | | |
| Q714 | 8-729-255-12 | TRANSISTOR 2SC2551-O | | C701 | 1-102-157-00 | CERAMIC 560PF 10% | 500V |
| Q715 | 8-729-255-12 | TRANSISTOR 2SC2551-O | | C702 | 1-102-157-00 | CERAMIC 560PF 10% | 500V |
| Q716 | 8-729-255-12 | TRANSISTOR 2SC2551-O | | C703 | 1-102-157-00 | CERAMIC 560PF 10% | 500V |
| Q717 | 8-729-255-12 | TRANSISTOR 2SC2551-O | | C704 | 1-102-121-00 | CERAMIC 0.0022MF 10% | 50V |
| <RESISTOR> | | | | C705 | 1-126-933-11 | ELECT 100MF 20% | 16V |
| R702 | 1-249-441-11 | CARBON 100K 5% | 1/4W | C706 | 1-102-074-00 | CERAMIC 0.001MF 10% | 50V |
| R704 | 1-215-404-00 | METAL 200 1% | 1/4W | C707 | 1-162-116-00 | CERAMIC 680PF 10% | 2KV |
| R705 | 1-215-404-00 | METAL 200 1% | 1/4W | C708 | 1-136-601-11 | FILM 0.01MF 5% | 630V |
| R706 | 1-215-404-00 | METAL 200 1% | 1/4W | C710 | 1-101-880-00 | CERAMIC 47PF 5% | 50V |
| R707 | 1-249-429-11 | CARBON 10K 5% | 1/4W | C711 | 1-101-880-00 | CERAMIC 47PF 5% | 50V |
| R708 | 1-249-429-11 | CARBON 10K 5% | 1/4W | C712 | 1-101-880-00 | CERAMIC 47PF 5% | 50V |
| R709 | 1-249-429-11 | CARBON 10K 5% | 1/4W | C713 | 1-107-651-11 | ELECT 4.7MF 20% | 250V |
| R710 | 1-215-388-00 | METAL 43 1% | 1/4W | C714 | 1-102-976-00 | CERAMIC 180PF 5% | 50V |
| R711 | 1-215-390-00 | METAL 51 1% | 1/4W | C715 | 1-102-976-00 | CERAMIC 180PF 5% | 50V |
| R712 | 1-215-388-00 | METAL 43 1% | 1/4W | C716 | 1-102-976-00 | CERAMIC 180PF 5% | 50V |
| R715 | 1-202-818-00 | SOLID 1K 20% | 1/2W | C717 | 1-107-372-11 | MYLAR 0.22MF 10% | 200V |
| R716 | 1-216-486-00 | METAL OXIDE 8.2K 5% | 3W F | C718 | 1-107-372-11 | MYLAR 0.22MF 10% | 200V |
| R717 | 1-202-818-00 | SOLID 1K 20% | 1/2W | C720 | 1-106-383-00 | MYLAR 0.047MF 10% | 200V |
| R718 | 1-216-486-00 | METAL OXIDE 8.2K 5% | 3W F | C734 | 1-102-973-00 | CERAMIC 100PF 5% | 50V |
| R719 | 1-202-818-00 | SOLID 1K 20% | 1/2W | C735 | 1-102-816-00 | CERAMIC 120PF 5% | 50V |
| R720 | 1-216-486-00 | METAL OXIDE 8.2K 5% | 3W F | C736 | 1-102-816-00 | CERAMIC 120PF 5% | 50V |
| R722 | 1-202-883-11 | SOLID 680K 20% | 1/2W | <CONNECTOR> | | | |
| R723 | 1-202-838-00 | SOLID 100K 20% | 1/2W | CN701 | * 1-564-511-11 | PLUG, CONNECTOR 8P | |
| R724 | 1-202-842-11 | SOLID 220K 20% | 1/2W | CN702 | * 1-573-964-11 | PIN, CONNECTOR (PC BOARD) 6P | |
| R725 | 1-202-838-00 | SOLID 100K 20% | 1/2W | CN703 | 1-695-915-11 | TAB (CONTACT) | |
| R726 | 1-202-846-00 | SOLID 470K 20% | 1/2W | <DIODE> | | | |
| R728 | 1-202-837-00 | SOLID 82K 20% | 1/2W | D701 | 8-719-911-19 | DIODE 1SS119-25 | |
| R729 | 1-202-549-00 | SOLID 100 20% | 1/2W | D702 | 8-719-911-19 | DIODE 1SS119-25 | |
| R731 | 1-247-815-91 | CARBON 220 5% | 1/4W | D703 | 8-719-911-19 | DIODE 1SS119-25 | |
| R732 | 1-247-815-91 | CARBON 220 5% | 1/4W | D704 | 8-719-911-19 | DIODE 1SS119-25 | |
| R733 | 1-247-815-91 | CARBON 220 5% | 1/4W | D705 | 8-719-911-19 | DIODE 1SS119-25 | |
| R734 | 1-249-409-11 | CARBON 220 5% | 1/4W F | | | | |
| R735 | 1-249-409-11 | CARBON 220 5% | 1/4W F | | | | |
| R736 | 1-249-409-11 | CARBON 220 5% | 1/4W F | | | | |
| R737 | 1-247-807-31 | CARBON 100 5% | 1/4W | | | | |



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The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-----------------|--------|
| D706 | 8-719-911-19 | DIODE 1SS119-25 | |
| D707 | 8-719-901-83 | DIODE 1SS83 | |
| D708 | 8-719-901-83 | DIODE 1SS83 | |
| D709 | 8-719-901-83 | DIODE 1SS83 | |
| D713 | 8-719-901-83 | DIODE 1SS83 | |
| D715 | 8-719-901-83 | DIODE 1SS83 | |
| D716 | 8-719-901-83 | DIODE 1SS83 | |
| D717 | 8-719-901-83 | DIODE 1SS83 | |

<JACK>

J701 Δ 1-526-819-11 SOCKET PICTURE TUBE

<COIL>

| | | |
|------|--------------|---------------|
| L701 | 1-410-667-31 | INDUCTOR 22UH |
| L705 | 1-412-532-11 | INDUCTOR 39UH |

<TRANSISTOR>

| | | |
|------|--------------|------------------------|
| Q701 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |
| Q702 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |
| Q703 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |
| Q704 | 8-729-200-17 | TRANSISTOR 2SA1091-O |
| Q705 | 8-729-200-17 | TRANSISTOR 2SA1091-O |

| | | |
|------|--------------|----------------------|
| Q706 | 8-729-200-17 | TRANSISTOR 2SA1091-O |
| Q707 | 8-729-326-11 | TRANSISTOR 2SC2611 |
| Q708 | 8-729-326-11 | TRANSISTOR 2SC2611 |
| Q709 | 8-729-326-11 | TRANSISTOR 2SC2611 |
| Q710 | 8-729-200-17 | TRANSISTOR 2SA1091-O |

| | | |
|------|--------------|------------------------|
| Q711 | 8-729-200-17 | TRANSISTOR 2SA1091-O |
| Q712 | 8-729-200-17 | TRANSISTOR 2SA1091-O |
| Q713 | 8-729-255-12 | TRANSISTOR 2SC2551-O |
| Q714 | 8-729-255-12 | TRANSISTOR 2SC2551-O |
| Q715 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |

| | | |
|------|--------------|------------------------|
| Q716 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |
| Q717 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |

<RESISTOR>

| | | | | | |
|------|--------------|--------|------|----|------|
| R702 | 1-247-897-11 | CARBON | 560K | 5% | 1/4W |
| R704 | 1-215-405-00 | METAL | 220 | 1% | 1/4W |
| R705 | 1-215-405-00 | METAL | 220 | 1% | 1/4W |
| R706 | 1-215-405-00 | METAL | 220 | 1% | 1/4W |
| R707 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |

| | | | | | |
|------|--------------|--------|-----|----|------|
| R708 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R709 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R710 | 1-215-391-00 | METAL | 56 | 1% | 1/4W |
| R711 | 1-215-394-00 | METAL | 75 | 1% | 1/4W |
| R712 | 1-215-392-00 | METAL | 62 | 1% | 1/4W |

| | | | | | |
|------|--------------|-------------|------|-----|------|
| R715 | 1-202-818-00 | SOLID | 1K | 20% | 1/2W |
| R716 | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W |
| R717 | 1-202-818-00 | SOLID | 1K | 20% | 1/2W |
| R718 | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W |
| R719 | 1-202-818-00 | SOLID | 1K | 20% | 1/2W |

| | | | | | |
|------|--------------|-------------|------|-----|------|
| R720 | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W |
| R722 | 1-202-883-11 | SOLID | 680K | 20% | 1/2W |
| R723 | 1-202-838-00 | SOLID | 100K | 20% | 1/2W |
| R724 | 1-202-842-11 | SOLID | 220K | 20% | 1/2W |
| R725 | 1-202-719-00 | SOLID | 1M | 20% | 1/2W |

| | | | | | |
|------|--------------|--------|-----|----|------|
| R731 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R732 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R733 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R734 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W |
| R735 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W |

| | | | | | |
|------|--------------|--------|-----|----|------|
| R736 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W |
| R737 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R738 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R739 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-----------------------|--------|
| R740 | 1-249-429-11 | CARBON 10K 5% 1/4W | F |
| R741 | 1-249-429-11 | CARBON 10K 5% 1/4W | F |
| R742 | 1-249-429-11 | CARBON 10K 5% 1/4W | F |
| R744 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R745 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R746 | 1-215-879-11 | METAL OXIDE 47K 5% 1W | F |
| R747 | 1-247-725-11 | CARBON 10K 5% 1/4W | F |
| R748 | 1-249-923-11 | CARBON 1K 5% 1/4W | F |
| R749 | 1-215-902-11 | METAL OXIDE 47K 5% 2W | F |
| R750 | 1-249-400-11 | CARBON 39 5% 1/4W | F |
| R751 | 1-247-887-00 | CARBON 220K 5% 1/4W | |

| | | | |
|------|--------------|---------------------|--|
| R752 | 1-247-887-00 | CARBON 220K 5% 1/4W | |
| R753 | 1-247-887-00 | CARBON 220K 5% 1/4W | |

<VARIABLE RESISTOR>

| | | |
|-------|-----------------------|------------------------------|
| RV707 | 1-230-641-11 | RES, ADJ, METAL GLAZE 2.2M |
| RV708 | Δ 1-230-619-11 | RES, ADJ, METAL GLAZE 110M |
| | * 4-374-912-01 | COVER (MAIN), CV VOL ; RV708 |
| RV709 | 1-230-641-11 | RES, ADJ, METAL GLAZE 2.2M |

* A-1372-410-A H BOARD, COMPLETE

* 4-348-208-00 HOLDER, LED

<CONNECTOR>

| | | |
|-------|----------------|---------------------|
| CN105 | * 1-564-527-11 | PLUG, CONNECTOR 12P |
| CN106 | * 1-564-526-11 | PLUG, CONNECTOR 11P |

<DIODE>

| | | |
|-------|--------------|------------------|
| D2102 | 8-719-920-05 | DIODE SLP281C-50 |
| D2103 | 8-719-812-32 | DIODE TLY123 |
| D2104 | 8-719-991-33 | DIODE 1SS133T-77 |

<RESISTOR>

| | | |
|-------|--------------|---------------------|
| R2101 | 1-249-419-11 | CARBON 1.5K 5% 1/4W |
| R2107 | 1-249-430-11 | CARBON 12K 5% 1/4W |
| R2137 | 1-249-414-11 | CARBON 560 5% 1/4W |
| R2138 | 1-249-414-11 | CARBON 560 5% 1/4W |
| R2140 | 1-249-414-11 | CARBON 560 5% 1/4W |

| | | |
|-------|--------------|--------------------|
| R2141 | 1-249-414-11 | CARBON 560 5% 1/4W |
| R2142 | 1-249-414-11 | CARBON 560 5% 1/4W |
| R2143 | 1-249-414-11 | CARBON 560 5% 1/4W |
| R2144 | 1-249-414-11 | CARBON 560 5% 1/4W |
| R2145 | 1-249-414-11 | CARBON 560 5% 1/4W |

| | | |
|-------|--------------|-------------------|
| R2148 | 1-215-419-00 | METAL 820 1% 1/4W |
| R2149 | 1-215-414-00 | METAL 510 1% 1/4W |
| R2150 | 1-215-409-00 | METAL 330 1% 1/4W |
| R2151 | 1-215-407-00 | METAL 270 1% 1/4W |
| R2152 | 1-215-404-00 | METAL 200 1% 1/4W |

| | | |
|-------|--------------|-------------------|
| R2153 | 1-215-401-11 | METAL 150 1% 1/4W |
| R2154 | 1-215-399-00 | METAL 120 1% 1/4W |
| R2155 | 1-215-397-00 | METAL 100 1% 1/4W |
| R2156 | 1-215-421-00 | METAL 1K 1% 1/4W |
| R2157 | 1-215-416-00 | METAL 620 1% 1/4W |

| | | |
|-------|--------------|-------------------|
| R2158 | 1-215-410-00 | METAL 360 1% 1/4W |
| R2159 | 1-215-405-00 | METAL 220 1% 1/4W |
| R2160 | 1-215-421-00 | METAL 1K 1% 1/4W |

<VARIABLE RESISTOR>

| | | |
|--------|--------------|----------------------|
| RV2101 | 1-225-385-11 | RES, VAR, CARBON 20K |
|--------|--------------|----------------------|

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H J X S Q

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|-----------------------|------------------------------|--------|
| RV2103 | 1-225-385-11 | RES, VAR, CARBON 20K | |
| RV2105 | 1-225-385-11 | RES, VAR, CARBON 20K | |
| RV2109 | 1-225-385-11 | RES, VAR, CARBON 20K | |
| RV2113 | 1-225-385-11 | RES, VAR, CARBON 20K | |
| RV2117 | 1-225-385-11 | RES, VAR, CARBON 20K | |
| <SWITCH> | | | |
| S2101 | 1-572-811-21 | SWITCH, TACTIL | |
| S2102 | 1-572-811-21 | SWITCH, TACTIL | |
| S2103 | 1-572-811-21 | SWITCH, TACTIL | |
| S2104 | 1-572-811-21 | SWITCH, TACTIL | |
| S2105 | 1-572-811-21 | SWITCH, TACTIL | |
| S2106 | 1-771-328-11 | SWITCH, TACTILE | |
| S2107 | 1-771-328-11 | SWITCH, TACTILE | |
| S2108 | 1-572-811-21 | SWITCH, TACTIL | |
| S2109 | 1-572-811-21 | SWITCH, TACTIL | |
| S2110 | 1-572-811-21 | SWITCH, TACTIL | |
| S2111 | 1-572-811-21 | SWITCH, TACTIL | |
| S2113 | 1-771-328-11 | SWITCH, TACTILE | |
| S2114 | 1-771-328-11 | SWITCH, TACTILE | |
| ***** | | | |
| * A-1388-204-A J BOARD, COMPLETE | | | |
| ***** | | | |
| <CONNECTOR> | | | |
| CN608 | * 1-695-561-11 | PIN, CONNECTOR (PC BOARD) 7P | |
| <SWITCH> | | | |
| S601 | Δ 1-692-921-11 | SWITCH, PUSH (A.C. POWER) | |
| ***** | | | |
| * A-1390-778-A X BOARD, COMPLETE | | | |
| ***** | | | |
| <CONNECTOR> | | | |
| CN108 | * 1-564-518-11 | PLUG, CONNECTOR 3P | |
| <DIODE> | | | |
| D001 | 8-719-301-36 | DIODE SEL4410E-D | |
| D002 | 8-719-301-36 | DIODE SEL4410E-D | |
| D003 | 8-719-301-36 | DIODE SEL4410E-D | |
| D004 | 8-719-301-36 | DIODE SEL4410E-D | |
| ***** | | | |
| * A-1390-779-A S BOARD, COMPLETE (U/C model ONLY) | | | |
| ***** | | | |
| <CAPACITOR> | | | |
| C805 | 1-102-978-00 | CERAMIC 220PF 5% 50V | |
| C806 | 1-136-165-00 | FILM 0.1MF 5% 50V | |
| C807 | 1-130-477-00 | MYLAR 0.0033MF 5% 50V | |
| C810 | 1-136-165-00 | FILM 0.1MF 5% 50V | |
| C811 | 1-136-165-00 | FILM 0.1MF 5% 50V | |
| C812 | 1-136-495-11 | FILM 0.068MF 5% 50V | |
| C813 | 1-124-261-00 | ELECT 10MF 20% 50V | |
| C818 | 1-136-165-00 | FILM 0.1MF 5% 50V | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|----------------|---------------------------|--------|
| <CONNECTOR> | | | |
| CN801 | * 1-573-896-11 | SOCKET, CONNECTOR 12P | |
| <IC> | | | |
| <COIL> | | | |
| L801 | 1-410-470-11 | INDUCTOR 10UH | |
| <RESISTOR> | | | |
| R802 | 1-249-435-11 | CARBON 33K 5% 1/4W | |
| R803 | 1-247-863-91 | CARBON 22K 5% 1/4W | |
| R804 | 1-215-454-00 | METAL 24K 1% 1/4W | |
| R805 | 1-215-461-00 | METAL 47K 1% 1/4W | |
| R808 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R812 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R813 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R815 | 1-247-843-11 | CARBON 3.3K 5% 1/4W | |
| R816 | 1-249-418-11 | CARBON 1.2K 5% 1/4W | |
| R817 | 1-249-418-11 | CARBON 1.2K 5% 1/4W | |
| R818 | 1-249-418-11 | CARBON 1.2K 5% 1/4W | |
| R819 | 1-249-418-11 | CARBON 1.2K 5% 1/4W | |
| R820 | 1-249-422-11 | CARBON 2.7K 5% 1/4W | |
| ***** | | | |
| 1-537-877-21 TERMINAL BOARD ASSY, I/O (Q BOARD) | | | |
| ***** | | | |
| 2-990-241-02 HOLDER (A), PLUG | | | |
| * 3-175-740-01 TERMINAL | | | |
| * 3-175-741-01 NUT | | | |
| * 3-175-742-01 WASHER | | | |
| 3-178-213-21 SCREW +P 3X10 | | | |
| 7-685-135-19 SCREW +P 2.6X10 TYPE2 SLIT | | | |
| <CAPACITOR> | | | |
| C2401 | 1-163-111-00 | CERAMIC CHIP 56PF 5% 50V | |
| C2402 | 1-104-396-11 | ELECT 10MF 20% 16V | |
| C2403 | 1-104-396-11 | ELECT 10MF 20% 16V | |
| C2404 | 1-104-396-11 | ELECT 10MF 20% 16V | |
| C2405 | 1-124-589-11 | ELECT 47MF 20% 16V | |
| C2406 | 1-104-396-11 | ELECT 10MF 20% 16V | |
| C2407 | 1-104-396-11 | ELECT 10MF 20% 16V | |
| C2408 | 1-104-396-11 | ELECT 10MF 20% 16V | |
| C2409 | 1-124-234-00 | ELECT 22MF 20% 16V | |
| C2410 | 1-163-033-91 | CERAMIC CHIP 0.022MF 50V | |
| C2411 | 1-104-396-11 | ELECT 10MF 20% 16V | |
| C2412 | 1-104-396-11 | ELECT 10MF 20% 16V | |
| C2413 | 1-163-117-00 | CERAMIC CHIP 100PF 5% 50V | |
| C2414 | 1-126-301-11 | ELECT 1MF 20% 50V | |
| C2415 | 1-165-319-11 | CERAMIC CHIP 0.1MF 50V | |
| C2416 | 1-124-589-11 | ELECT 47MF 20% 16V | |
| C2418 | 1-163-033-91 | CERAMIC CHIP 0.022MF 50V | |
| C2422 | 1-124-234-00 | ELECT 22MF 20% 16V | |
| C2423 | 1-124-234-00 | ELECT 22MF 20% 16V | |
| C2424 | 1-163-033-91 | CERAMIC CHIP 0.022MF 50V | |
| C2425 | 1-124-589-11 | ELECT 47MF 20% 16V | |
| C2426 | 1-124-589-11 | ELECT 47MF 20% 16V | |
| C2427 | 1-124-234-00 | ELECT 22MF 20% 16V | |
| C2428 | 1-163-033-91 | CERAMIC CHIP 0.022MF 50V | |
| C2429 | 1-124-234-00 | ELECT 22MF 20% 16V | |
| C2430 | 1-163-033-91 | CERAMIC CHIP 0.022MF 50V | |
| C2431 | 1-124-234-00 | ELECT 22MF 20% 16V | |
| C2432 | 1-124-234-00 | ELECT 22MF 20% 16V | |



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| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|-----------------|--------------|----------------------------------|--------|
| C2433 | 1-163-033-91 | CERAMIC CHIP 0.022MF | 50V |
| C2434 | 1-124-463-00 | ELECT 0.1MF 20% | 50V |
| C2435 | 1-163-033-91 | CERAMIC CHIP 0.022MF | 50V |
| C2436 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C2437 | 1-163-033-91 | CERAMIC CHIP 0.022MF | 50V |
| C2438 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C2439 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C2440 | 1-163-033-91 | CERAMIC CHIP 0.022MF | 50V |
| C2441 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C2442 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C2443 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C2444 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C2445 | 1-163-033-91 | CERAMIC CHIP 0.022MF | 50V |
| C2446 | 1-163-033-91 | CERAMIC CHIP 0.022MF | 50V |
| C2447 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C2448 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C2449 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C2450 | 1-124-234-00 | ELECT 22MF 20% | 16V |
| C2451 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| C2452 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| C2454 | 1-126-163-11 | ELECT 4.7MF 20% | 25V |
| C2461 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C2462 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C2463 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C2464 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C2465 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C2466 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C2467 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C2468 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C2469 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| C2470 | 1-165-319-11 | CERAMIC CHIP 0.1MF | 50V |
| <CONNECTOR> | | | |
| CN306 | 1-564-526-11 | PLUG, CONNECTOR 11P | |
| CN307 | 1-564-522-11 | PLUG, CONNECTOR 7P | |
| CN308 | 1-564-519-11 | PLUG, CONNECTOR 4P | |
| CN309 | 1-695-581-11 | CONNECTOR, D SUB | |
| CN310 | 1-580-525-12 | JACK, DC (POLARITY UNIFIED TYPE) | |
| CN2401 Δ | 1-251-263-11 | INLET, AC | |
| CN2402 | 1-565-167-12 | TERMINAL, (S) (WITH SW) 4P | |
| CN2403 | 1-569-578-11 | TERMINAL, S (WITH SW) | |
| <DIODE> | | | |
| D2402 | 8-719-016-74 | DIODE 1SS352 | |
| D2404 | 8-719-800-76 | DIODE 1SS226 | |
| D2405 | 8-719-800-76 | DIODE 1SS226 | |
| D2406 | 8-719-800-76 | DIODE 1SS226 | |
| D2407 | 8-719-800-76 | DIODE 1SS226 | |
| D2408 | 8-719-800-76 | DIODE 1SS226 | |
| D2409 | 8-719-800-76 | DIODE 1SS226 | |
| D2410 | 8-719-800-76 | DIODE 1SS226 | |
| D2411 | 8-719-800-76 | DIODE 1SS226 | |
| D2415 | 8-719-800-76 | DIODE 1SS226 | |
| D2416 | 8-719-800-76 | DIODE 1SS226 | |
| D2417 | 8-719-800-76 | DIODE 1SS226 | |
| D2418 | 8-719-800-76 | DIODE 1SS226 | |
| D2420 | 8-719-037-53 | DIODE RD27SB-T1 | |
| D2421 | 8-719-037-53 | DIODE RD27SB-T1 | |
| D2422 | 8-719-037-53 | DIODE RD27SB-T1 | |
| D2423 | 8-719-037-53 | DIODE RD27SB-T1 | |
| <IC> | | | |
| IC2401 | 8-759-509-71 | IC XRU4021BF-E2 | |
| IC2402 | 8-759-509-71 | IC XRU4021BF-E2 | |
| IC2403 | 8-759-287-89 | IC MM1113XFF | |
| IC2404 | 8-759-084-76 | IC MM1111XF | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|------------------|--------------|--------------------------|--------|
| IC2405 | 8-759-287-89 | IC MM1113XFF | |
| <JACK> | | | |
| J2401 | 1-562-261-71 | CONNECTOR, COAXIAL (BNC) | |
| J2402 | 1-766-738-11 | BNC (WITH SW) | |
| J2403 | 1-562-261-71 | CONNECTOR, COAXIAL (BNC) | |
| J2404 | 1-766-738-11 | BNC (WITH SW) | |
| J2405 | 1-562-261-71 | CONNECTOR, COAXIAL (BNC) | |
| J2406 | 1-766-738-11 | BNC (WITH SW) | |
| J2407 | 1-562-261-71 | CONNECTOR, COAXIAL (BNC) | |
| J2408 | 1-766-738-11 | BNC (WITH SW) | |
| J2409 | 1-562-261-71 | CONNECTOR, COAXIAL (BNC) | |
| J2410 | 1-766-738-11 | BNC (WITH SW) | |
| J2411 | 1-562-261-71 | CONNECTOR, COAXIAL (BNC) | |
| J2412 | 1-766-738-11 | BNC (WITH SW) | |
| J2413 | 1-507-802-41 | JACK, PIN (MOUNT TYPE) | |
| J2414 | 1-507-802-41 | JACK, PIN (MOUNT TYPE) | |
| J2415 | 1-507-802-41 | JACK, PIN (MOUNT TYPE) | |
| J2416 | 1-507-802-41 | JACK, PIN (MOUNT TYPE) | |
| J2417 | 1-507-802-41 | JACK, PIN (MOUNT TYPE) | |
| J2418 | 1-507-802-41 | JACK, PIN (MOUNT TYPE) | |
| J2419 | 1-507-802-41 | JACK, PIN (MOUNT TYPE) | |
| J2420 | 1-750-628-11 | DIN SOCKET 8P | |
| <CHIP CONDUCTOR> | | | |
| JR1 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR4 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR5 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR7 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR12 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR13 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR14 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR15 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR16 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR17 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR19 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR20 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR21 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR23 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR30 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR34 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR35 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR40 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR41 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR43 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR46 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR47 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR48 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR52 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR60 | 1-216-295-91 | CONDUCTOR, CHIP | |
| <TRANSISTOR> | | | |
| Q2401 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2402 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q2403 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q2404 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q2405 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q2408 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2409 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2410 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2411 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2412 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2414 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2415 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2416 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q2417 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|------------|--------------|------------------|----------|
| <RESISTOR> | | | |
| R2401 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2402 | 1-216-043-91 | METAL GLAZE 560 | 5% 1/10W |
| R2404 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R2405 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2406 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R2407 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2408 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R2409 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2410 | 1-216-073-00 | METAL GLAZE 47K | 5% 1/10W |
| R2411 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2412 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R2413 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2414 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R2415 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2416 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R2417 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2418 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R2419 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2420 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R2421 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2422 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R2423 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2424 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R2425 | 1-216-115-00 | METAL GLAZE 10K | 5% 1/10W |
| R2426 | 1-214-775-00 | METAL 82K | 1% 1/4W |
| R2427 | 1-216-097-91 | METAL GLAZE 100K | 5% 1/10W |
| R2428 | 1-216-105-91 | METAL GLAZE 220K | 5% 1/10W |
| R2429 | 1-216-025-91 | METAL GLAZE 100 | 5% 1/10W |
| R2430 | 1-216-115-00 | METAL GLAZE 560K | 5% 1/10W |
| R2431 | 1-216-077-00 | METAL GLAZE 15K | 5% 1/10W |
| R2432 | 1-214-775-00 | METAL 82K | 1% 1/4W |
| R2433 | 1-216-097-91 | METAL GLAZE 100K | 5% 1/10W |
| R2434 | 1-216-105-91 | METAL GLAZE 220K | 5% 1/10W |
| R2435 | 1-216-025-91 | METAL GLAZE 100 | 5% 1/10W |
| R2436 | 1-216-115-00 | METAL GLAZE 560K | 5% 1/10W |
| R2437 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R2438 | 1-216-077-00 | METAL GLAZE 15K | 5% 1/10W |
| R2439 | 1-214-775-00 | METAL 82K | 1% 1/4W |
| R2440 | 1-216-105-91 | METAL GLAZE 220K | 5% 1/10W |
| R2441 | 1-216-097-91 | METAL GLAZE 100K | 5% 1/10W |
| R2442 | 1-216-025-91 | METAL GLAZE 100 | 5% 1/10W |
| R2443 | 1-216-115-00 | METAL GLAZE 560K | 5% 1/10W |
| R2444 | 1-216-077-00 | METAL GLAZE 15K | 5% 1/10W |
| R2446 | 1-214-775-00 | METAL 82K | 1% 1/4W |
| R2447 | 1-216-105-91 | METAL GLAZE 220K | 5% 1/10W |
| R2448 | 1-216-097-91 | METAL GLAZE 100K | 5% 1/10W |
| R2449 | 1-216-025-91 | METAL GLAZE 100 | 5% 1/10W |
| R2450 | 1-216-115-00 | METAL GLAZE 560K | 5% 1/10W |
| R2451 | 1-216-077-00 | METAL GLAZE 15K | 5% 1/10W |
| R2452 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R2453 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2455 | 2-216-113-00 | METAL GLAZE 470K | 5% 1/10W |
| R2458 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R2463 | 1-216-085-00 | METAL GLAZE 33K | 5% 1/10W |
| R2465 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2466 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2467 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R2470 | 1-214-702-00 | METAL 75 | 1% 1/4W |
| R2471 | 1-216-093-00 | METAL GLAZE 68K | 5% 1/10W |
| R2472 | 1-216-063-91 | METAL GLAZE 3.9K | 5% 1/10W |
| R2473 | 1-216-037-00 | METAL GLAZE 330 | 5% 1/10W |
| R2474 | 1-216-049-91 | METAL GLAZE 1K | 5% 1/10W |
| R2475 | 1-216-091-00 | METAL GLAZE 56K | 5% 1/10W |
| R2476 | 1-214-702-00 | METAL 75 | 10% 1/4W |
| R2477 | 1-216-091-00 | METAL GLAZE 56K | 5% 1/10W |
| R2478 | 1-216-063-91 | METAL GLAZE 3.9K | 5% 1/10W |
| R2479 | 1-216-027-00 | METAL GLAZE 120 | 5% 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|------------------|----------|
| R2480 | 1-216-049-91 | METAL GLAZE 1K | 5% 1/10W |
| R2481 | 1-216-093-00 | METAL GLAZE 68K | 5% 1/10W |
| R2482 | 1-214-702-00 | METAL 75 | 1% 1/4W |
| R2483 | 1-216-091-00 | METAL GLAZE 56K | 5% 1/10W |
| R2484 | 1-216-027-00 | METAL GLAZE 120 | 5% 1/10W |
| R2485 | 1-216-063-91 | METAL GLAZE 3.9K | 5% 1/10W |
| R2486 | 1-216-049-91 | METAL GLAZE 1K | 5% 1/10W |
| R2487 | 1-216-093-00 | METAL GLAZE 68K | 5% 1/10W |
| R2488 | 1-214-702-00 | METAL 75 | 1% 1/4W |
| R2489 | 1-216-091-00 | METAL GLAZE 56K | 5% 1/10W |
| R2490 | 1-216-063-91 | METAL GLAZE 3.9K | 5% 1/10W |
| R2491 | 1-216-027-00 | METAL GLAZE 120 | 5% 1/10W |
| R2492 | 1-216-049-91 | METAL GLAZE 1K | 5% 1/10W |
| R2493 | 1-216-093-00 | METAL GLAZE 68K | 5% 1/10W |
| R2494 | 1-214-702-00 | METAL 75 | 1% 1/4W |
| R2495 | 1-214-702-00 | METAL 75 | 1% 1/4W |
| R2496 | 1-216-091-00 | METAL GLAZE 56K | 5% 1/10W |
| R2497 | 1-216-063-91 | METAL GLAZE 3.9K | 5% 1/10W |
| R2498 | 1-216-037-00 | METAL GLAZE 330 | 5% 1/10W |
| R2499 | 1-216-049-91 | METAL GLAZE 1K | 5% 1/10W |
| R3400 | 1-216-093-00 | METAL GLAZE 68K | 5% 1/10W |
| R3402 | 1-216-091-00 | METAL GLAZE 56K | 5% 1/10W |
| R3404 | 1-216-063-91 | METAL GLAZE 3.9K | 5% 1/10W |
| R3405 | 1-216-037-00 | METAL GLAZE 330 | 5% 1/10W |
| R3406 | 1-216-049-91 | METAL GLAZE 1K | 5% 1/10W |
| R3408 | 1-216-093-00 | METAL GLAZE 68K | 5% 1/10W |
| R3409 | 1-214-702-00 | METAL 75 | 1% 1/4W |
| R3410 | 1-216-091-00 | METAL GLAZE 56K | 5% 1/10W |
| R3411 | 1-216-063-91 | METAL GLAZE 3.9K | 5% 1/10W |
| R3412 | 1-216-037-00 | METAL GLAZE 330 | 5% 1/10W |
| R3413 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R3414 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R3416 | 1-216-049-91 | METAL GLAZE 1K | 5% 1/10W |
| R3417 | 1-216-093-00 | METAL GLAZE 68K | 5% 1/10W |
| R3418 | 1-214-702-00 | METAL 75 | 1% 1/4W |
| R3419 | 1-216-037-00 | METAL GLAZE 330 | 5% 1/10W |
| R3420 | 1-216-023-00 | METAL GLAZE 82 | 5% 1/10W |
| R3421 | 1-216-689-11 | METAL GLAZE 39K | 5% 1/10W |
| R3422 | 1-216-049-91 | METAL GLAZE 1K | 5% 1/10W |
| R3423 | 1-216-083-00 | METAL GLAZE 27K | 5% 1/10W |
| R3424 | 1-216-049-91 | METAL GLAZE 1K | 5% 1/10W |
| R3425 | 1-216-061-00 | METAL GLAZE 3.3K | 5% 1/10W |
| R3426 | 1-216-099-00 | METAL GLAZE 120 | 5% 1/10W |
| R3427 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R3428 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R3429 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R3430 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R3431 | 1-216-089-91 | METAL GLAZE 47K | 5% 1/10W |
| R3432 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W |
| R3435 | 1-216-045-91 | METAL GLAZE 680 | 5% 1/10W |
| R3436 | 1-216-045-91 | METAL GLAZE 680 | 5% 1/10W |
| R3437 | 1-216-045-91 | METAL GLAZE 680 | 5% 1/10W |
| R3438 | 1-216-045-91 | METAL GLAZE 680 | 5% 1/10W |
| R3439 | 1-216-045-91 | METAL GLAZE 680 | 5% 1/10W |

<SWITCH>

S2401 1-570-598-11 SWITCH, DIP

Les composants identifiés par
une trame et une marque Δ
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifié.

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|------------------------|-----------------------|--|--------|
| MISCELLANEOUS ***** | | | |
| | Δ 1-238-368-11 | RESISTOR ASSY, HIGH-VOLTAGE (20inch) | |
| | Δ 1-426-442-21 | COIL, DEMAGNETIZATION (14inch) | |
| | Δ 1-426-505-11 | COIL, DEMAGNETIZATION (20inch) | |
| | Δ 1-451-349-12 | DEFLECTION YOKE (Y20FZA) (20inch) | |
| | 1-452-032-00 | MAGNET, DISK 10mm ϕ | |
| | 1-452-094-00 | MAGNET, ROTATABLE DISK ; 15mm ϕ | |
| | Δ 1-532-742-11 | FUSE, GLASS TUBE 1.6A/125V | |
| | 1-537-877-21 | TERMINAL BOARD ASSY, I/O (Q BOARD) | |
| | 1-543-653-11 | CORE ASSY, BEAD(DIVISION TYPE) | |
| | 1-543-827-11 | CLAMP, SLEEVE FERRITE | |
| | 1-544-063-12 | SPEAKER | |
| | Δ 1-576-231-11 | FUSE (H.B.C.) 4A/250V | |
| | Δ 8-451-472-11 | DEFLECTION YOKE Y14MGAT (14inch) | |
| V901 | Δ 8-736-135-05 | PICTURE TUBE 20FZ5(DARK) (M49JGH11X) (20inch) | |
| V901 | Δ 8-738-342-05 | PICTURE TUBE 14MG(DARK) (M34KBE11X) (14inch) | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--|-----------------------|------------------------------------|--------|
| ACCESSORIES AND PACKING MATERIALS ***** | | | |
| | Δ 1-559-945-11 | CORD, POWER (10A/125V) (U/C model) | |
| | 1-690-871-11 | CABLE (MINI DIN) 8P | |
| | Δ 1-690-871-11 | CORD SET, POWER (AUS model) | |
| | Δ 1-765-719-11 | CORD SET, POWER (AEP model) | |
| | 3-170-078-01 | HOLDER (B), PLUG | |
| | 3-861-644-03 | INSTRUCTIONS FOR USE | |
| | 3-861-699-11 | MANUAL, INTERFACE | |
| | * 4-043-769-01 | CUSHION (UPPER) (ASSY) (20inch) | |
| | * 4-043-770-01 | CUSHION (LOWER) (ASSY) (20inch) | |
| | 4-048-070-01 | HINGE, COVER | |
| | 4-048-071-01 | COVER, CONTROL PANEL (14inch) | |
| | 4-048-072-01 | COVER, CONTROL PANEL (20inch) | |
| | 4-048-073-01 | COVER, DROP PROTECTION | |
| | * 4-058-819-01 | INDIVIDUAL CARTON (20inch) | |
| | * 4-058-820-01 | INDIVIDUAL CARTON (14inch) | |
| | * 4-058-821-01 | CUSHION (UPPER) (ASSY) (14inch) | |
| | * 4-058-822-01 | CUSHION (LOWER) (ASSY) (14inch) | |
| | 4-380-432-21 | BAG, PROTECTION (20inch) | |
| | * 4-381-155-11 | BAG, PROTECTION (14inch) | |

SERVICE MANUAL

| MODEL | DEST. | CHASSIS NO. | MODEL | DEST. | CHASSIS NO. |
|----------------|----------------|----------------------|----------------|----------------|----------------------|
| OEV143 | US/CND | SCC-N59D-A | OEV203 ✓ | US/CND | SCC-N59C-A |
| OEV143 | AEP | SCC-N33H-A | OEV203 | AEP | SCC-N33G-A |
| OEV143 | E | SCC-N89A-A | OEV203 | E | SCC-N89B-A |



SP00730

DIFFERENCE-1 Revised1

Contents of service manual for OEV143/203 (OEM production of OLYMPUS OPTICAL CO.,LTD.) is indicating differences between original model only. PVM-14M2MDU/14M2MDE/14M2MDA/20M2MDU/20M2MDE/20M2MDA for repair.

Section 3

Set-Up Adjustments

3-3. Writing Model Data (Page 3-5)

1. Write model data on respective models in the service mode at the location of No.102 MODEL in accordance with Table 3-3.

Table 3-3

| Model | Model data |
|-----------------|------------|
| PVM-20M2MDU | 0 |
| PVM-20M2MDE | 2 |
| PVM-20M2MDA | 3 |
| PVM-14M2MDU | 4 |
| PVM-14M2MDE | 6 |
| PVM-14M2MDA | 7 |
| OEV203 (US/CND) | 29 |
| OEV203 (AEP/E) | 31 |
| OEV143 (US/CND) | 26 |
| OEV143 (AEP/E) | 28 |

2. Write the following data in the service mode at the location of No.103 COLOR TEMP DISP 1.
COLOR TEMP DISP 1

65

3. Write the following data in the service mode at the location of No.104 COLOR TEMP DISP 2.
COLOR TEMP DISP 2

56

4. Write the following data in the service mode at the location of No.105 COLOR TEMP DISP 3.
COLOR TEMP DISP 3

93

- * Standard inspection state

Unless otherwise specified in this manual, make adjustment under the following conditions:

| | | |
|----------|-----|-------------------------------------|
| APERTURE | MIN | (Turn FLAT fully counterclockwise.) |
| BRIGHT | 50% | (Center click) |
| CHROMA | 50% | (Center click) |
| PHASE | 50% | (Center click) |
| CONTRAST | 80% | (Center click) |
| VOLUME | 50% | |

TRINITRON® COLOR VIDEO MONITOR

SONY®

3-12. Focus Adjustment (Page 3-10)

1. 20 inch Models

OEV203 only

Press MENU and select SUB CONTROL.

Set as follows :

SUB CONTRAST : +40

SUB BRIGHT : +20 (US/Canadian models)

SUB BRIGHT : +10 (AEP/E models)

1. Input a 525 monoscope signal.
2. Adjust the focus to optimize the focus on the characters "30" at the center of the screen with FOCUS PACK VR.
3. Switch to an all-white signal and check the uniformity.
4. After focus adjustment, paint-lock the FOCUS PACK VR knob.

2. 14 inch Models

OEV143 only

Press MENU and select SUB CONTROL.

Set as follows :

SUB CONTRAST : +40

SUB BRIGHT : +20

1. Input a 525 dot signal.
2. Make adjustment so that the center dot and center of the dots on both sides are not separated with using RV707 on C board.
3. Check that the resolution is more than 600 lines by means of a digital monoscope signal.
4. Change an all-white signal, and check that the magenta ring is un conspicuous by means.

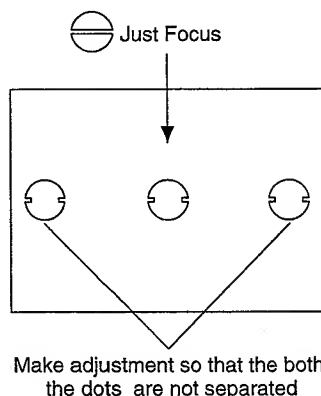


Fig. 3-28

Section 5

Circuit Adjustments

9. Adjustment of Sub Cont (Page 5-9)

OEV143/203 only

Press MENU and select SUB CONTROL.

Set as follows :

SUB CONTRAST : +40

SUB BRIGHT : +20

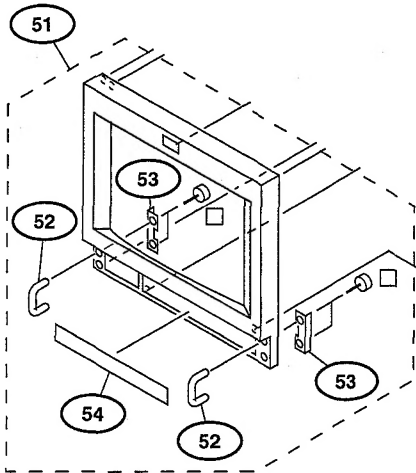
- 1) Input the window signal.
- 2) Enter the Normal mode.
- 3) Attach a luminance meter to the window of the CRT surface.
- 4) Make adjustment so that the values will be as shown in Table 5-7 with **[SUB CON <NORM>]**.
- 5) Enter the O/S mode.
- 6) Make adjustment so that the values will be as shown in Table 5-7 with **[SUB CON <O/S>]**.

Table 5-7

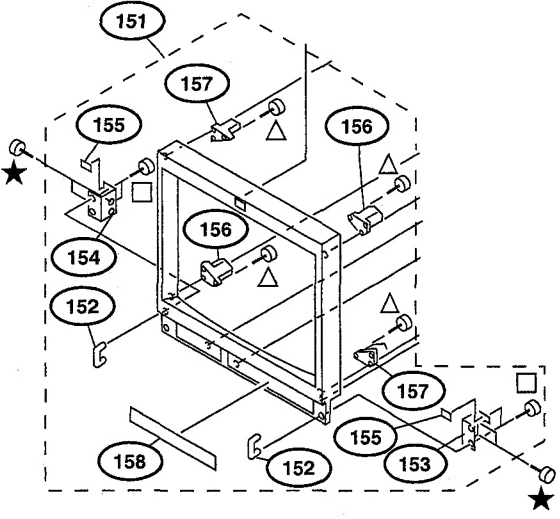
Unit (cd/m²)

| | PVM-14 | PVM-20 | OEV143/203 |
|-------------------|--------|--------|------------|
| SUB CON <NORM> | 170±20 | 150±20 | 210±20 |
| SUB CON <O/S> | 170±20 | 150±20 | 210±20 |

Section 7
Exploded Views
7-2. Picture Tube (PVM-14M2MDU/E/A) (Page 7-2)

| PVM-14M2MDU/E/A | | | | OEV143 | | | |
|---|--------------|-------------|--------|---------|--------------|-------------|--------|
|  | | | | | | | |
| Ref.No. | Part No. | Description | Remark | Ref.No. | Part No. | Description | Remark |
| 51 | X-4035-199-1 | BEZEL ASSY | 52-54 | 51 | X-4035-691-1 | BEZEL ASSY | 52-54 |

7-4. Picture Tube (PVM-20M2MDU/E/A) (Page 7-4)

| PVM-20M2MDU/E/A | | | | OEV203 | | | |
|--|--------------|-------------|---------|---------|--------------|-------------|---------|
|  | | | | | | | |
| Ref.No. | Part No. | Description | Remark | Ref.No. | Part No. | Description | Remark |
| 151 | X-4035-198-1 | BEZEL ASSY | 152-158 | 151 | X-4035-689-1 | BEZEL ASSY | 152-158 |

Section 8
Electrical Parts List
Accessories and Packing Materials (Page 8-32)

| PVM-14M2MDU/E/A/20M2MDU/E/A | | | | OEV143/203 | | | |
|-----------------------------|--------------|--|--------|------------|--------------|---|--------|
| Ref.No. | Part No. | Description | Remark | Ref.No. | Part No. | Description | Remark |
| | 3-861-644-03 | INSTRUCTIONS FOR USE (JAPANESE,ENGLISH,FRENCH, GERMAN,ITALIAN,SPANISH,CHINESE) | | | 1-543-947-11 | CORE,FERRITE | |
| | | | | | 3-862-979-11 | MANUAL,INSTRUCTION (US/CND) (ENGLISH,FRENCH,SPANISH) | |
| | | | | | 3-862-979-21 | MANUAL,INSTRUCTION (AEP) (ENGLISH,FRENCH,GERMAN,ITALIAN,SPANISH) | |



P00730

SERVICE MANUAL

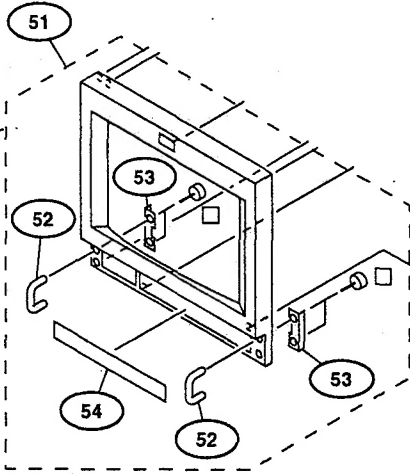
| MODEL | DEST. | CHASSIS NO. | MODEL | DEST. | CHASSIS NO. |
|---------|--------|-------------|---------|--------|-------------|
| OEV-143 | US/CND | SCC-N59D-A | OEV-203 | US/CND | SCC-N59C-A |
| OEV-143 | AEP | SCC-N33H-A | OEV-203 | AEP | SCC-N33G-A |

Contents of service manual for OEV-143/203 (OEM production of OLYMPUS OPTICAL CO.,LTD.) is indicating differences between original model only.
PVM-14M2MDU/14M2MDE/14M2MDA/
20M2MDU/20M2MDE/20M2MDA for repair.

DIFFERENCE-1

SECTION 7
EXPLODED VIEWS
7-2. PICTURE TUBE (14M2MDU/E/A) (PAGE 7-2)

SPO584 #2039/06
03 mm

| PVM-14M2MDU/E/A | | | | OEV-143 | | | |
|--|--------------|-------------|--------|---------|--------------|-------------|--------|
|  | | | | | | | |
| REF NO. | PART NO. | DESCRIPTION | REMARK | REF NO. | PART NO. | DESCRIPTION | REMARK |
| 51 | X-4035-199-1 | BEZEL ASSY | 52-54 | 51 | X-4035-691-1 | BEZEL ASSY | 52-54 |

TRINITRON® COLOR VIDEO MONITOR

SONY®

7-4. PICTURE TUBE (20M2MDU/E/A) (PAGE 7-4)

| PVM-20M2MDU/E/A | | | | OEV-203 | | | |
|-----------------|--------------|-------------|---------|---------|--------------|-------------|---------|
| | | | | | | | |
| REF NO. | PART NO. | DESCRIPTION | REMARK | REF NO. | PART NO. | DESCRIPTION | REMARK |
| 151 | X-4035-198-1 | BEZEL ASSY | 152-158 | 151 | X-4035-689-1 | BEZEL ASSY | 152-158 |

SECTION 8 ELECTRICAL PARTS LIST ACCESSORIES AND PACKING MATERIALS (PAGE 8-32)

| PVM-14M2MDU/E/A/20M2MDU/E/A | | | | OEV-143/203 | | | |
|-----------------------------|--------------|--|--------|--------------|----------|--|--------|
| REF NO. | PART NO. | DESCRIPTION | REMARK | REF NO. | PART NO. | DESCRIPTION | REMARK |
| | 3-861-644-03 | INSTRUCTIONS FOR USE (JAPANESE, ENGLISH, FRENCH, GERMAN, ITALIAN, SPANISH, CHINESE) | | 1-543-947-11 | | CORE, FERRITE | |
| | | | | 3-862-979-11 | | MANUAL, INSTRUCTION (US/CND) (ENGLISH, FRENCH, SPANISH) | |
| | | | | 3-862-979-21 | | MANUAL, INSTRUCTION (AEP) (ENGLISH, FRENCH, GERMAN, ITALIAN, SPANISH) | |